

FRUITLAND NURSERIES

SUCCESSORS TO

P. J. BERCKMANS CO. INC.

ESTABLISHED 1856



Augusta Ga.

1921

1922

∴ To Our Patrons ∴

THE FRUITLAND NURSERIES represent an inheritance of artistic ideals, commercial integrity and business efficiency. So long as they endure they will remain a monument to the enthusiasm, courage and capacity of their founder—the late Mr. P. J. Berckmans and his sons, L. A., R. C. and P. J. A. It is the purpose of the present management to carry out the ideas and policies that have been associated with this business through its entire history of sixty-five years. These Nurseries constitute a business and will be run on business principles, but they are also an art, a science and a program of community betterment. To achieve these ends Fruitland Nurseries are ideally located. The higher slopes and hill-tops of our properties represent an exposure to weather conditions calculated to inure our plants to the lower temperatures of the North and East, while scattered through our ample acres are protected “pockets” and low “bottoms” ideally suited to the propagation of the more strictly Southern fruits, flowers and ornamentals. The climate of Augusta has become famous throughout the nation as combining the bracing air of the North with the milder temperatures of the lower South. Our soils vary from stiff clay to loose sand. These conditions enable us to acquire such a quality in our propagation and to offer such a wide variety of stock as cannot be surpassed anywhere.

Here we acclimate many of the ornamentals and evergreens of colder climates with great success; and we prepare for successful growing under wide climatic conditions those particular plants, fruits and flowers which are the pride and glory of the middle South.

Azaleas, magnolias, camellia japonicas, wisterias, roses, crape myrtles, pecans, grapes and many of the deciduous fruits find a perfect habitat at the Fruitland Nurseries.

We can stock you in peaches, grapes and figs in such a variety as to cover almost the whole season in a succession of perfect fruit.

Besides our wide variety of out-door conditions we have slat-house areas, greenhouses and cold frames, facilities that enable us to grow plants unsurpassed for size, vigor and adaptability to all climatic changes.

Our establishment is open for inspection any week-day. Visitors are gladly welcomed, and will be afforded every opportunity to make a careful inspection of the grounds. The office is on Washington Road (a continuation of Broad St., Augusta), and is about a mile from the terminus of the Lake View electric car line. If you cannot visit us in person, we shall be pleased to answer by mail any inquiries about the trees, shrubs and plants listed in this catalog or to furnish other horticultural information.

Fruitland Nurseries

BAILIE & GWIN, Proprietors



Fruitland Nurseries

Landscape Architects

Phone 6833

Augusta, Ga.

Although Landscape Gardening is one of the oldest of the arts, the work of the profession of Landscape Architecture, in its modern sense, is comparatively new. In spite of this fact, the value of the service now rendered by this profession is very generally understood, since the number of good examples of its work is rapidly increasing, and the appreciation of the artistic design, in these, by people of good taste, is steadily growing.

The Landscape Architect is one who "arranges land and the features on that land for the purpose of utility and beauty." In brief, his work is that of arranging elementary materials—trees, flowers, earth, rock and water, in a comprehensive plan, that embodies ideas, both practical and aesthetic. In arranging these materials, he is a designer, just as an Architect is a designer. He begins each problem by answering, first, the demands of utility, and works from these, to the final decoration or embellishment of all parts of the design. His work should begin before the buildings are definitely designed and located, as there are many considerations, in the choosing of the site, that do not properly enter into the Architect's field.

PROFESSIONAL METHODS

A visit to the property, and a consultation with the owner, is the first step. If buildings are to be erected, the owner, Architect and Landscape Architect should consult together, to determine the best site, and outline the general arrangement of the most important features. This saves expense, and gives the Landscape Architect an advantage in working out the design. A topographical survey is next prepared, and over this a preliminary plan is made, which outlines the general design in a tentative way. When this is approved, working drawings for grading, construction and planting are made. Planting is studied to bring out the general design, and to obtain harmonious groupings according to growth, texture and color. The adaptability of plants to soil and climatic conditions is carefully considered.

CHARGES

Our charges include railroad fare and actual expenses incurred in connection with the work. We also charge on a per diem basis for the time consumed on the job.

We have competent men in charge of this Department and are prepared to give prompt and satisfactory service.

Suggestions

Always address all communications to FRUITLAND NURSERIES, Drawer 910, Augusta, Ga., and not to individuals.

NOTE—All quotations are for immediate acceptance, subject to stock being sold. No liability to attach to us where frost, drought or other casualties beyond our control prevent delivery of stock that may be contracted for.

ORDER NOW—Do not wait until you are ready to plant. Frequently orders sent late in the season cannot be filled in full. Send us your order now; it will be carefully filled until you desire it shipped. When making out your order, write the full and correct name of the article desired, as given in catalogue. Give size and catalogue price. Never give local names, as different plants frequently have the same local name.

RESERVING ORDERS—When purchasers desire these to be reserved for weeks or months after the opening of the shipping season, they must be paid for in full at the time of ordering.

NAME AND ADDRESS—Always write your name plainly upon order-sheet in catalogue. A lady should always sign herself Miss or Mrs., and always use the same initials. Give your postoffice, county and state, also street or postoffice box number, and the name of your nearest express office.

SHIPPING DIRECTIONS—Give plain and explicit directions for shipping. If by freight, state route. When no directions are given, we shall use our best judgment in forwarding; but in all cases shipments are at purchaser's risk after receipt from the transportation company. Freight and express rates will be given upon application.

EXPRESS AND PARCEL POST—Owing to the fact that nursery stock has been advanced to first class rate by the express companies, the express charges are a great deal higher than heretofore. On all small packages we would advise that they be sent by Parcel Post, but sufficient postage must be sent with order or we reserve the right to ship via express. If no instructions are given we will use our judgment in shipping via express or parcel post. Large shipments will have to be sent via express or freight.

PACKING—All articles in this catalogue packed free, except when for export, as such orders require large quantities of specially prepared packing material, and entail much extra labor and care in preparation. This extra packing is charged at actual cost. We maintain a large force of experienced packers, and only the most expert are entrusted with this work.

TERMS OF PAYMENT—Cash with order, or satisfactory reference before shipment; or, if preferred, will ship goods with Bill of Lading attached to Sight Draft, through express or bank. On all C. O. D. and Sight Draft orders we require 25 per cent of the bill remitted before shipment.

PRICES—All prices quoted are net. We offer no premiums, discounts, or gratuities. Five trees or plants of a class will be billed at the 10 rate; 40 trees at the 100 rate; 400 at the 1,000 rate, viz.: Five Pecans will be billed at the 10 rate; 40 at the 100 rate, etc.

REMITTANCES—Remittances should be made by Post Office or Express Money Orders, or by checks on Augusta or New York. As our banks charge exchange on checks (minimum charge ten cents) on all points except Augusta, New York, and few large cities, please add one-fourth of 1 per cent on private checks. We cannot be held responsible for losses when remittances are not made as directed above. Cash sent through the mails is at sender's risk. Make all remittances payable to Fruitland Nurseries.

WE GUARANTEE every tree or plant to be in a perfectly healthy condition, up to grade and first-class in every respect when leaving our hands, but, after delivering to forwarders, all losses resulting from delays or exposure in transit are at risk of purchaser.

RESPONSIBILITY—We have no connection whatever with any other nursery, and our responsibility extends only to persons purchasing direct from us. We are not responsible for failures arising from defective planting, unfavorable weather conditions, or improper treatment and cultivation. If any Nursery stock, etc., proves untrue to description under which it is sold, Seller shall be liable to the Purchaser only and to no greater extent or amount than the purchase price of such Nursery stock, etc., and the Seller except for the aforesaid agreed liability and in respect to such purchased Nursery stock, etc., gives no warranty express or implied as to description, quality, productiveness or any other matter.

ERRORS—We exercise the utmost care in filling orders, and always put in more than is ordered, but during the rush of the busy season an error is occasionally made, and satisfactory correction will be promptly made upon notification. Keep a copy of your order for comparison. All claims for errors must be made within five days after receipt of goods; otherwise they will not be entertained.

SHIPPING FACILITIES—Augusta being the terminal point of seven lines of railroad, enables us to secure rates of freight to all points.

SHIPPING SEASON—This usually commences about the middle of October, or as soon as the plants are sufficiently dormant to lift with safety, and for all open ground trees and plants continues until the middle of March, or until the buds begin to swell. Pot grown plants can be safely sent out any time of the year.

INSECTS AND DISEASES—Our Nurseries are free from disease. Certificate of State Entomologist is attached to every shipment.

FUMIGATION—We fumigate our stock with hydrocyanic acid gas before shipping, as required by state law, so that assurance of freedom from insects or disease of any kind is made doubly sure.

NUMBER OF TREES OR PLANTS ON AN ACRE AT GIVEN DISTANCES APART

| Distance apart each way | Number of plants | Distance apart each way | Number of plants | Distance apart each way | Number of plants |
|----------------------------|---------------------|----------------------------|---------------------|----------------------------|---------------------|
| 1 foot | 43,560 | 8 feet | 680 | 18 feet | 134 |
| 2 feet | 10,890 | 9 feet | 537 | 20 feet | 108 |
| 3 feet | 4,840 | 10 feet | 435 | 25 feet | 70 |
| 4 feet | 2,722 | 12 feet | 302 | 30 feet | 48 |
| 5 feet | 1,742 | 13 feet | 258 | 35 feet | 35 |
| 6 feet | 1,210 | 15 feet | 193 | 40 feet | 27 |
| 7 feet | 888 | 16 feet | 170 | 50 feet | 17 |

Hints to Planters

Time for Planting—In this climate, vegetation, although inactive in winter for the formation of leaves and wood, is never so as to new roots. A tree transplanted in the early winter will, by the ensuing spring, have grown sufficient new roots to give it a firm hold in the ground, and will grow off rapidly when active vegetation commences. Plant as early after the first killing frost as practicable, although hardy stock can be safely transplanted any time during the winter when the ground is not too wet or frozen. Planting can be continued until the middle of March, or until just before the buds begin to swell.

Preparation of the Soil—The most desirable soil for fruit trees is a rich loam, naturally dry or made so by drainage. Peaches and plums must be planted on high, well-drained soil. Before planting, prepare the land by thoroughly plowing and subsoiling, first using a two-horse plow, followed by a sub-soil plow. Lay off the rows at required distances, and dig holes at least two feet wide and two feet deep; fill the holes by breaking in the sides, commencing at the bottom and going upward. Use surface soil in filling up, and with this mix one or two shovelfuls of thoroughly decomposed barn yard manure, or use one or two pounds of good bone meal. All fertilizers must be thoroughly incorporated with the soil. Avoid contact of the roots with heating manures. We strongly advocate digging holes with dynamite wherever feasible.

Preparation of Trees and How to Plant—Before planting, remove the broken roots; cut back one-year peach, apple, pear, cherry and plum trees to a naked stem $1\frac{1}{2}$ to $2\frac{1}{2}$ feet high, leaving no side branches. Two-year-old trees should have their branches cut back to half their length or less; the lower limbs less than those above, cutting in shorter as you go upward, leaving the leader the longest. (For pruning peach trees, see page 6.) The tree should be set about 2 inches deeper than it stood in the nursery.

Cultivation—You cannot expect to get good results from your trees unless you keep them well cultivated. The soil must be frequently stirred during summer. The area immediately around the trees must be kept free from grass and weeds, and this portion of the orchard should receive especial atten-

tion. All suckers or branches which start below the head of the tree should be removed. For the first two years cultivate the orchard during summer in some crop suited to the location, such as cotton, vegetables, melons, peas, peanuts, velvet or soy beans, giving the preference to leguminous crops. Never plant corn or small grain in your orchard.

It is always advisable to sow in the fall a cover crop, such as clover, vetch or rye, using a suitable fertilizer. Turn under this cover crop in early spring. When soils are deficient in lime and potash, supply this deficiency with an application of lime, bone meal, hardwood ashes or high grade commercial fertilizer, as the soil requires. Satisfactory results cannot be expected unless the orchard is supplied with the proper plant food and receives careful cultivation.

Selection of Trees—For this climate, experience has taught us that one and two-year-old trees of thrifty growth (except peaches, only one-year trees of which should be planted) are the most desirable. Purchasers should bear in mind that such trees can be removed from the nursery with all their roots, whereas, a four- or five-year-old tree cannot be taken up without cutting away a large portion of them. Success in transplanting is increased according as attention is paid in selecting well-rooted trees, instead of heavily-branched ones. Give as many sound roots and as little head to a tree as possible.

Cure of the Trees on Arrival—If not ready to plant on arrival, unpack without exposing the roots to cold or air; dig a trench, and heel-in by carefully covering the roots with earth, and give a copious watering. Trees thus treated can remain in the trenches until ready for planting in the orchard. If frozen when received, do not open the boxes, but place them in a cellar or some cool, dark room that is free from frost, and let them remain until all frost is drawn out. If no cellar or frost-proof room, bury the box in sawdust or dirt until thawed. The point is to get the frost entirely out without sudden exposure of stock to heat, light or air. Even if frozen solid, the stock will not be injured if handled in this manner.

Injurious Insects and Fungus Diseases

We only enumerate the most abundant and destructive insects and fungus diseases which infest our orchards and gardens. The remedies as suggested are in accordance with the latest recommendations of the leading Entomologists.

Previous to spraying during the dormant season all trees and plants should be properly pruned. The proper time for applying spray solutions cannot be given exactly in this calendar. Allowances for difference in climatic weather conditions between different localities must be considered. The orchardist should familiarize himself with the habits and life history of the different insects and diseases, in order that he may apply to his particular locality and conditions the necessary measures.

APPLES

Apple Worm (Coddling Moth)—Spray with two pounds of Standard Arsenate of Lead, three pounds of lime to each fifty gallons of water; first, so soon as the petals fall and before the calyx closes; second, two weeks later; third, about eight weeks after the petals fall.

When the time comes for using the third spraying, Bordeaux Mixture should be combined with one and one-half pounds of Arsenate of Lead. The Bordeaux Mixture (4-4-50) is used at this time to prevent Bitter Rot and other fungus diseases.

Apple Tree Blight—Same treatment as recommended for Pear Blight.

Bitter Rot—Use Lime-Sulphur Solution one and one-fourth gallons, two pounds of Arsenate of Lead to each fifty gallons of water. Spray as soon as petals fall. Give a second application of this same mixture three or four weeks after petals fall; then about eight weeks after petals fall use Bordeaux Mixture (4-4-50) with the addition of two pounds of Arsenate of Lead, and repeat this latter spraying every two weeks until four applications of same have been given.

Borer—Keep orchard free from litter and examine trees regularly for borers. Their presence will be indicated by sawdust at the entrance of their burrows. Remove, if near the surface, by means of a knife or wire. For those that have entered to a considerable depth inject, by means of medicine dropper, a small quantity of carbon bi-sulphate in their excavation and seal securely with putty or wax.

Canker Worm—Encircle the tree with a canvas belt thoroughly coated with turpentine; also spray with arsenate of lead as soon as worms appear; two pounds of arsenate of lead, three pounds of lime to fifty gallons of water. If necessary repeat in three or four days.

Caterpillar—Destroy nests as soon as they appear in the spring, or spraying with two pounds of arsenate of lead, three pounds of lime to fifty gallons of water.



This is one of four *Camellia Japonica*s that we moved a distance of five miles during the month of July, and planted in our Nurseries. The plant in the picture weighed two and a half tons and is living today. It is very difficult to move such a tree, but with our facilities and experience, it can be done successfully. After transplanting, special care and attention must be given, otherwise the result will be disastrous.

We do not advocate transplanting during Summer months, but where proper care and attention is given after the plant is moved, there is no reason why it cannot be done, if circumstances require it.

Cedar Rust—Use seven pounds of atomic sulphur, two pounds of arsenate of lead to each fifty gallons of water. Spray the trees at the same period as recommended for Scab.

Green or Black Aphis—Spray with Black Leaf 40 at the rate of one part to 200 or 300 parts of water, as soon as the Aphis appear.

San Jose Scale—For dormant spraying, use Thompson Chemical Company's lime-sulphur solution mixed at the rate of one gallon to eight gallons of water. Spray as early in the fall as trees are dormant, and again later in February or early March if the orchard is badly infested. For summer would suggest spraying with kerosene emulsion, one part of the emulsion to five parts of water.

Scab—Use one and one-fourth gallons of lime sulphur solution, two pounds of arsenate of lead to each fifty gallons of water. Spray first, just before buds open; second, repeat as soon as petals fall; third, three or four weeks after petals fall; fourth, eight weeks after petals fall.

Woolly Aphis (*Schizoneura lanigera*)—For above-ground colonies, spray with Black Leaf 40, 1 part to 200 parts of water, or a tobacco decoction. The summer spray of $1\frac{1}{2}$ gallons of lime-sulphur to 50 gallons of water will also kill them, but must be applied with great force.

For root-inhabiting colonies, remove the soil to a depth of about three inches, or sufficient to partially expose the roots; open a circle from four to eight feet in diameter, depending on the spread of the roots; distribute three to eight pounds of tobacco dust or use 10 per cent kerosene emulsion. Enough emulsion should be used to saturate the soil to a depth of three or four inches. Recent experiments have shown that kerosene emulsion may be used with

success. Tobacco dust is of more value as a preventive and fertilizer. Badly infested trees should be treated with kerosene emulsion, applying this in April or May, but be sure to have the stock solution properly made or it may injure the trees.

BLACKBERRIES

Rust—Use a spray of sulphate of copper solution; one part to fifteen gallons of water before buds break. Use Bordeaux Mixture (4-6-50) if Rust appears in spring or summer.

GRAPES

Black Rot—Use Bordeaux Mixture (3-4-50). Spray first, when leaves have expanded; second, just after fruit has set; repeat every two weeks until fruit is nearly grown.

Borer (*Prionus*)—Its presence is manifested by the unhealthy appearance of the vine. Search must be made at the roots and the grub destroyed.

Curculio—Use Bordeaux Mixture (3-4-50) adding two pounds of arsenate of lead. Spray first, before blooming; second, when fruit is about one-eighth inch in diameter; third, about first or fifteenth of June.

Flea Beetle—Use two pounds of arsenate of lead, three pounds of lime to fifty gallons of water. Spray as buds are swelling and a second time about two weeks later.

Leaf Fodder (*Desmia funeralis*)—Kerosene emulsion or paris green or arsenate of lead as a spray.

Mildew—This can be controlled by Bordeaux Mixture same as recommended for Black Rot.

JAPAN PERSIMMONS, WALNUTS AND PECANS

Borer (*Pronus*)—These bore through the roots and usually destroy the tree, and must be carefully removed. Carefully examine collar of tree in winter and mid-summer, and apply lime-sulphur wash.

Caterpillar (*Catocala maetosa*)—Feeds on the leaves of pecans, and is sometimes quite injurious. Spray with paris green four ounces, lime one pound, to fifty gallons of water.

Pecan Bud Worm (*Proteopteryx deludana*)—Spray the trees just as the buds are opening, with arsenate of lead, three pounds to fifty gallons of water, and two pounds of lime, and repeat application ten days later. If the worms appear again in June or July, repeat the treatment. This will also help control the pecan husk borer.

Twig Girdlers (*Ocidetes cingulatus*)—All limbs that have been girdled and have fallen must be burned at once, thus destroying all future broods of sawyers.

White Fly—One and one-half gallons of Schnarr's Insecticide to 100 gallons of water, or Whale-oil soap 1 to 1½ ounces to 1 gallon of water, or Thomsen Chemical Company's lime-sulphur solution, 1 part to 25 parts of water.

PEACHES AND PLUMS

Peach Tree Borer (*Sanninolea exitiosa*)—The old method of worming peach trees in winter has been found ineffective, principally because the worms cause too much damage before being removed.

In the spring remove the earth from about the body of the tree down to the crown, scraping off gummy exudations, and carefully search for the borer. For this work use a farrier's knife or a tool especially made for worming peach trees.

An excellent wash for the borers is the following: One bushel of quicklime, 20 pounds of sulphur, 1 gallon of coal-tar, 50 gallons of water. Mix tar and sulphur in 10 gallons of water, and add lime. Stir well while slaking. When it is entirely slaked dilute the above to 50 gallons, and apply this wash to the tree, allowing it to run well down upon the roots. As soon as it is applied, draw up the earth to the tree so that it will form about six inches above the level. A second application of this wash should be made during August. During the last of October remove the mound of earth from around the tree and thoroughly scrape the bark, as in the spring, and give another application of the wash, when this is completed draw up the earth about the tree as above recommended. This is a vigorous treatment, but is effective in all cases.

Black Knot in Plums—Cut off the affected branches below affected parts and burn to prevent its spreading. Spray with bordeaux mixture.

SPRAY SCHEDULE FOR LATE PEACHES

Time of Application—

1—Apply as soon as calyces begin to split, being sure to complete the spraying by the time the calyces have all shed. In case of large acreage the spraying should be planned so as to complete the application of poison by the time the fruit is exposed.

If acreage is small the application may be delayed until calyces start to shed, provided spraying them can be completed by the time calyces are off.

Material to Use—

1 lb. powdered arsenate of lead; 3 lbs. lime to 50 gallons of water.

Time of Application—

2—Apply two to three weeks after first spraying.

Material to Use—

1 lb. powdered arsenate of lead and self-boiled lime sulphur 8-8-50; or atomic sulphur 3 to 4 lbs., 2 lbs. lime to 50 gallons of water.

Time of Application—

3—Apply one month before fruit ripens.

Material to Use—

Same formula as second spraying.

Time of Application—

4—Ten to 14 days before fruit ripens, if Brown Rot appears and rains are frequent.

Material to Use—

Self-boiled lime sulphur (8-8-50); or atomic sulphur 3 to 4 lbs., 2 lbs. lime to 50 gallons of water.

DUST SCHEDULE FOR LATE PEACHES

Use the following formula throughout the season:

Arsenate of lead—5%, equals 5 lbs. arsenate of lead.

Sulphur—80%, equals 80 lbs. sulphur.

Lime—15%, equals 15 lbs. lime, to 100 lbs of mixture.

Four applications to be applied at the same time and periods as in spray schedule, except in the first dusting begin a few days later. Fourth application optional—if trees and fruit show no injury, and brown rot appears and rains are frequent.

SPRAYING AND DUSTING SCHEDULES FOR EARLY VARIETIES

Spray or dust the early varieties from 2 to 3 times. Use formulas 1 and 2, or 1, 2 and 4. Apply same time as first, second and fourth applications in above schedule.

NOTE—Peach foliage and fruit may show some injury from three applications of arsenate of lead 1 lb. to 50 gallons of water if there are frequent rains. Injury will be more pronounced on older trees or those on thin soil, or in weakened condition. Vigorous trees on strong soil are least likely to suffer. If after the second spraying much injury shows up, the amount of arsenate of lead in the third spraying might be reduced to ¾ of a pound to 50 gallons of water.

PRUNING

Sunshine is one of the best fungicides and germicides we have, and a powerful ally to the spray nozzle. It is also the best fruit coloring agent, and it's free. It follows from this that peach trees should be pruned so as to let in the sunshine. By the intelligent use of the open or vase-shaped type of pruning, sunshine may be admitted to all parts of the tree and spraying be more effectively and economically accomplished.

Curculio—To prevent the depredation of this pest see remedial measures under Brown Rot and Scab. For further information write Georgia State Board of Entomology for Circular No. 34, "Control of Curculio and Brown Rot of Peaches."

Peach and Plum Rosette—Root up and burn the affected tree as soon as the disease is observed.

San Jose Scale—Same treatment as recommended for Apples.

PEARS

Pear Blight—Cut off and burn all affected limbs. Careful pruning should be resorted to during the winter to remove all affected limbs and affected areas. Disinfect the pruning shears after removing each branch or affected part. About a 4 per cent solution of formaldehyde can be used for this purpose.

Pear Blight is a bacterial disease and easily transmitted. Write to the State Board of Entomology, Atlanta, Ga., for bulletin on Pear Blight and Its Control; also to the Bureau of Plant Industry, Dept. of Agriculture, Washington, D. C.

San Jose Scale—Same treatment as recommended for Apples.

PECANS

See under head of Japanese Persimmons, Walnuts and Pecans.

RASPBERRIES

Rust—Same treatment as recommended for Blackberries.

ROSES

Anthracnose—Cut off and burn diseased parts and spray with Bordeaux Mixture (4-6-50).

Aphis—Spray plants with a solution of sulpho-tobacco soap; or a 2 per cent solution of lime-sulphur; or tobacco water, using four ounces of tobacco-stems to one gallon of boiling water; strain the solution and add four ounces of soft soap while it is still hot; stir well to dissolve the soap. Black Leaf Forty can be used, as recommended, for Green or Black Aphis.

Black Spot—This is a fungus disease. All diseased leaves should be removed from the plant, and those on the ground raked up and burned. Spray the plants with same strength of Bordeaux Mixture as recommended for mildew.

Leaf Hopper—Spray with insect powder, tobacco decoction or kerosene emulsion.

Mildew—This is caused by extremes of heat and cold, or by a continuance of damp, cold weather. Sprinkle the plants with water, and dust them with soot, or spray with Bordeaux Mixture (3-9-50), taking

care to reach the under side of the leaves as well as the upper; also spray the ground around the plants.

Slugs—Spray with hellebore or insect powder.

Thrips and Other Insects—Same treatment as for Aphis.

SHADE TREES

Leaf Eating Insects—Spray with two pounds of arsenate of lead, three pounds of lime to each fifty gallons of water.

San Jose Scale—Same treatment as recommended for Apples.

West India Scale—When trees are dormant use lime-sulphur solution as a spray, mixed one gallon to eight of water. During the growing season use Schnarr's Insecticide, mixed 1½ gallons to 100 gallons of water.

WALNUTS

See under head of Japanese Persimmons, Walnuts and Pecans.

Fungicide and Insecticide Solutions and Formulae

Arsenate of Lead can be used as a substitute for Paris green and London purple. It can be used much stronger with less danger of injury to plants. Two pounds to fifty gallons of water give good results against most biting insects. As a safeguard against injury to the foliage, add three pounds of lime.

Atomic Sulphur (Thomson's)—The best preventive against Brown Rot in Apples, Peaches, Plums and other fruits.

Bordeaux Mixture—Copper Sulphate, 4 pounds; quicklime, 6 pounds; water, 50 gallons. Dissolve the copper sulphate by putting it in a bag and hanging it in a wooden or earthen vessel holding 25 gallons; slake the lime gradually and add water until you have 25 gallons. The copper sulphate mixture and lime should then be poured into the pump so that the two streams will mix thoroughly as they fall. Bordeaux Mixture will not keep more than twenty-four hours. Remember this.

Copper Sulphate Solution—Dissolve 1 pound of copper sulphate in 15 gallons of water. Do not apply this solution to foliage; it must be used before buds break on grape vines and peach trees. For the latter, use 25 gallons of water.

Kerosene Emulsion—One-half pound of soap dissolved in 1 gallon of water; add to this, while hot, 2 gallons of kerosene. (The boiling soap solution should be removed from the fire before the kerosene is added.) Churn violently with a spray pump or garden syringe until the mass becomes of the consistency of butter. Dilute the above mixture with from 9 to 15 parts of water when using, so that it will not be stronger than 1 part of oil to 9 to 15 parts of water. Sour milk may be used instead of soap.

Larkin's Sulpho-Tobacco Soap is a universal insecticide. A safe and sure exterminator of all kinds of insects and vermin on plants, shrubbery, vines, small fruits and trees. The soap is non-poisonous and absolutely safe to handle. It will not injure the tenderest growth.

Lemon Oil—Plants should be dipped in a solution of suitable strength. While it kills all scale insects it is not injurious to the most tender plants.

Lime-Sulphur Solution—Lime unslaked, 20 pounds; sulphur ground, 16 pounds; water to make 50 gallons. Place 8 to 10 gallons of water in an iron kettle over a fire, and when it reaches the boiling point, add the sulphur and mix thoroughly; then add the lime, which will immediately produce violent boiling. From time to time add a small quantity of water as needed to prevent boiling over or burning. The sulphur gradually goes into solution, and the mixture, at first thick and pasty, becomes thinner and thinner, changing in color through several shades of yellow.

After boiling at least one and a half hours, the mixture should be diluted to the proper amount by the addition of sufficient hot water. If a suitable boiler is not convenient, the mixture may be more economically cooked in barrels or tanks by the use of steam.

Thomson Chemical Company's Lime-Sulphur Solution is recommended for the treatment of the San Jose scale as the lime-sulphur treatment is superior in many ways to the other remedies.

Naphtha Soap and Nicotinic Acid—One ounce of soap and one-quarter ounce of Nicotinic Acid to each gallon of water. It is advisable to have water at 100 degrees Fahrenheit. This is an excellent spray for red spider.

Paris Green—Actively poisonous. Add 4 ounces of Paris green, 1 pound of fresh lime, to 50 gallons of water. Paris green and Bordeaux Mixture may be applied together without the action of either being weakened.

Pyrethrum—One ounce of the "Buhach" powder added to 2 gallons of cold water, for any plant used for food, as this is non-poisonous.

Scalecide—One per cent solution of scalecide or 1 per cent prepared lime-sulphur solution will eradicate red spider.

Tobacco, 1 pound; boiling water, 2 gallons; strain when cool. It is very effective when used as a spray against flea beetles, aphides (plant lice).

White Hellebore, 1 ounce; water, 3 gallons. Effective as a spray for rose slugs.

SPRAYING

We cannot be too emphatic in impressing on the horticulturist to spray his fruit trees and grape vines if he desires good fruit. Follow directions carefully. Experiments frequently result disastrously. Careless spraying will result in loss of fruit and sometimes the trees. Every fruit grower should purchase a spraying apparatus; it can now be had for a small sum. Be careful in keeping your solution continually stirred. The best time for spraying is late in the afternoon or during cloudy weather, except with kerosene emulsion; this should be used on bright, shiny days.

Other scale insects, of which there are several species, such as cherry scale, pecan scale, obscure scale on shade trees, can be controlled during the winter months by the use of lime-sulphur or soluble oil, or during summer months by spraying with kerosene emulsions or sulpho-tobacco soap.

NOTE—If your trees are infested with any insects or fungus diseases, send infested portion to your Experiment Station, your State Entomologist, or the United States Entomologist at Washington, D. C.

Special Southern Evergreen Lawn Grass "Fruitland Mixture"

IF YOU WANT A BEAUTIFUL LAWN THIS WINTER, TRY OUR "FRUITLAND MIXTURE"

For a number of years we have tested many grasses to determine which ones would stand best in the South. We have finally succeeded in obtaining one, our "Fruitland Mixture," which has given most satisfactory results and we have not yet seen a better lawn grass for this section than our mixture produces. It is composed only of such grasses as have exhibited the greatest heat and drought-resisting qualities. These grasses are most carefully blended, resulting in a mixture that stands our hot weather better than any evergreen lawn grass that we have been able to obtain. Of course, during periods of intense heat and drought, the "Fruitland Mixture," as well as all other evergreen lawn mixtures, will burn out more or less. During the hot, dry periods use a lawn sprinkler or hose and nozzle after sunset. Lawns are frequently injured by using the hose and putting on the water with too great force, especially when the sun is shining. All of our seed has been re-cleaned, is strictly free from weeds, and of high germination. During prolonged droughts it pays to water daily instead of only periodically. Grass, when artificially watered, requires that this be repeated regularly.

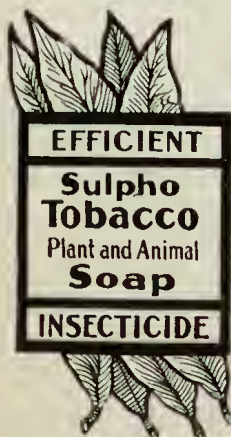
HOW TO MAKE A LAWN. The ground must be first thoroughly prepared by being plowed as deep as possible, and then sub-soiled; harrowed, and all stones removed. If the area cannot be plowed, then spade it up carefully and thoroughly. Apply a liberal amount of thoroughly rotted stable manure, turn this under and harrow. If this is not available then use sterilized sheep manure at the rate of 1,000 pounds to the acre, or 500 to 800 pounds of bonemeal; rake in well and level off the ground. When the surface has been raked perfectly smooth, the seed should be sown broadcast at the rate of 60 to 75 pounds to the acre (a space 210 x 210 feet). Rake lightly, thoroughly covering the seed, then roll. If the space is too small for rolling, or if you do not possess or cannot procure a roller, firm the soil with a plank. When the weather is very hot and dry, do not mow the lawn as frequently or as closely as when weather conditions are more favorable. A light reseedling on established lawns each Autumn will take care of the bare spots and will insure a good, substantial turf. By following these directions, no trouble should be experienced in obtaining and keeping a perfect lawn.

NOTE—The best period for making a lawn is from September to December. The earlier in the fall the better. Never attempt to make a lawn during very dry or very windy weather.

Price of "Fruitland Mixture"

| | | | |
|--------------|---------|---------------|---------|
| 5 lbs. | \$ 2.50 | 50 lbs. | \$20.00 |
| 10 lbs. | 4.75 | 100 lbs. | 35.00 |
| 15 lbs. | 6.75 | | |

Postage extra if by Parcel Post.



SULPHO-TOBACCO SOAP

A WONDERFUL INSECT AND BUG EXTERMINATOR

Gives best results in quickly exterminating all insect life on plants and flowers, in- and out-of-doors. Effectively destroys squash and potato bugs, currant worms, lice, green fly, mealy bug, red spider, etc. Unexcelled for spraying shrubs, fruit trees and vines. This popular insecticide never fails to give satisfaction. It is cheap, clean, harmless and non-injurious to the tenderest growth. You cannot afford to be without Sulpho-Tobacco Soap if you desire to be successful in plant culture. A trial will give highly gratifying results.

10 lb. cake by express \$3.00, postage extra, 62 cents.
1 lb. cake, 50c, postage extra.

Fruit Department

Apples

Clay or clay loam is the best soil for growing Apples. The land should be plowed well and deep before setting the trees. It should, of course, be well drained and kept thoroughly cultivated. Too much emphasis cannot be put on the importance of drainage; recent investigation has shown that a surplus of water in the orchard produces fruit of an inferior quality and flavor. The expenses of tilling or ditching is not to be compared with the profits that are derived from an orchard that is properly drained and cultivated.

Plant Apple trees 25 to 40 feet apart, each way, according to soil.

PRICES:

| | Each | 10 |
|------------------------------------------|--------|--------|
| Standard, one-year, 4-5 feet whips | \$.75 | \$6.50 |

Summer Apples

EARLY HARVEST. (Early June-Eating; Yellow Harvest). Medium to large; bright yellow; tender, juicy, well-flavored. An excellent home-market apple; invaluable in any orchard. June 5, and lasts two or three weeks.

HORSE. (Haas; Summer Horse; Yellow, Red or Green Horse, etc.) Large; green; acid. Good for cooking and drying. Known everywhere. A very productive variety. July and August.

KANSAS QUEEN. Large, yellow, nearly covered with crimson; good quality. Very reliable, productive, and a good market variety. Succeeds well on light sandy soils. June and August.

RED ASTRACHAN. (Red Ashmore, Early Rus, etc.) Large; yellow, nearly covered with crimson, and fine bloom; juicy, crisp, acid; a beautiful fruit. Tree a thrifty and fine grower; excellent and profitable. Ripens end of May and continues through June.

RED JUNE. (Carolina Red June, etc.) Medium, conical; deep red; juicy. Very productive. June 15 to end of July.

YELLOW TRANSPARENT. (White Transparent, Grand Sultan, etc.) Medium; yellow; good quality. A productive, excellent and popular variety. Tree of dwarfish habit. Bears young. June.

Autumn Apple

GRIMES. (Grimes' Golden). Medium, round, oblate; skin yellow, with small dots; flesh yellow, crisp, rich, sub-acid, very good. October.

Winter Apples

DELICIOUS. A remarkably popular variety in the West. Fruit large, nearly covered with dull dark red; fine grained, crisp, juicy; quality best; a splendid keeper and shipper; vigorous grower.

GANO. (Black Ben Davis, Red Ben Davis, Peyton). Roundish; oblate, large; color deep dark red; flesh yellowish white; mild, sub-acid. Quality good and a profitable market variety.

ROME BEAUTY. (Royal Red Phoenix, etc.). Large; yellow and bright red; medium quality; moderate grower; a good bearer; an excellent market sort. Ripens in October. Keeps well.

STAYMAN WINESAP. (Stayman). A seedling of Winesap. Dark red; flesh firm, fine grained, crisp, subacid; quality best. Strong grower.

TERRY. (Terry's Winter). Originated in Georgia; medium size; subacid; red; best quality. An excellent market variety. Most prolific. November 1st.

WINESAP. (Holland's Red, Winter Winesap, etc.) Small to medium; red, vinous; quality very good. A good keeping apple.

YATES. (Red Warrior). Small, dark red, dotted with small white dots; flesh yellow, firm, juicy and very aromatic. Very heavy bearer and good keeper.

Apricots

Apricots are best adapted for planting in city gardens, or where trees are protected by surrounding building. They are among the most delicious of fruits, and, therefore, a little extra care should be given in protecting the flowers from late spring frosts. The trees, when planted in orchards, seldom last long here, unless protected by surrounding timber or tall-growing fruit trees,

but in many sections of the Southwest this is one of the most desirable of orchard fruits. The period of maturity extends from the beginning of June to the end of July.

| PRICES OF TREES: | Each |
|-------------------|--------|
| 4 to 5 feet | \$.75 |

ROYAL. Fruit medium, oval, dull yellow, red on sunny side; flesh pale orange, fine flavor.

WILSON. About ten days earlier than Moorpark, originating in Colorado, where it is re-

garded as the most prolific and profitable of all the apricots. It is really an improved Moorpark.

Figs

This fruit adapts itself to a wide range of soils and climates. By protecting the plants during winter some varieties have been successfully grown in the state of New York.

The trees should be planted 12 to 18 feet apart, according to character of soil, and they should be trimmed so as to admit plenty of light and air into the center of the tree. Figs bear early, and the ripening period covers the season from June until November.

| PRICES: | Each | 10 |
|------------------------|--------|--------|
| Two years, heavy | \$.75 | \$6.00 |
| One year, heavy | .50 | 4.00 |

BLACK ISCHIA. Medium, blue-black; good. Bears abundant crops, and is hardy.

BROWN TURKEY. Medium; brown; sweet and excellent; very prolific. Most reliable for field-culture. One of our hardiest varieties.

BRUNSWICK. (Madonna, Broughton, etc.) Very large; violet; pulp thick; quality good; productive and hardy.

CELESTE. (Sugar, Celestial, etc.) Medium; pale violet, with bloom; sweet and excellent; prolific; early. Hardest of all figs.

GREEN ISCHIA. (White Ischia). Medium to large, green with crimson pulp; excellent, prolific. Produces fruit from middle of July until frost.

LEMON. Fruit medium to large, flattened, slightly ribbed, yellow, flesh white, sweet; early. Strong grower and very prolific. A favorable variety for canning.

Nectarines

Require the same culture as the peach. The fruit having a smooth skin, is very liable to the attacks of the cureulio and brown rot, and must be sprayed according to directions on page 4. They ripen through July and part of August.

| PRICES OF TREES: | Each |
|---------------------------|--------|
| 1-year, 3 to 4 feet | \$.75 |

NEW WHITE. The fruit is produced early in the season, and is large, with a pure white skin; flesh is tender, juicy, with a vinous flavor.

RED ROMAN. A very old English Nectarine. Clingstone; large roundish; greenish yellow, with a brownish red cheek; flesh greenish yellow, firm, juicy, rich and vinous. First of September.

Peaches

Direction for Cultivating—A sandy loam is best suited to the Peach, but it will adapt itself to almost any soil, provided it is well drained. Plant June buds or one-year-old trees 18 x 18 feet; cut the trees back to 18 to 24 inches, as it is always best to have a low-headed tree. In the spring, after the growth has started, remove all but three branches and let these be distributed so that the tree will be well balanced. For the first two years fertilize with well-decomposed barnyard manure, or a mixture of one part of cotton seed or bone meal to two part of acid phosphate. Apply 1½ to 2 pounds to each tree. After the third year, avoid nitrogenous fertilizers and use a fertilizer containing a good percentage of bone phosphate and potash and a small percentage of nitrogen. Prune every year by cutting off one-third of the previous year's growth. The head of the tree should be broad and open, so as to allow free circulation of light and air.



Never plant newly cleared woodlands; such lands should be cultivated for at least two years before setting the trees, otherwise wood-lice will injure them.

In preparing orchard land, plow as deeply as possible and then subsoil. Dig holes 2 feet, or, better yet, use dynamite for making the holes. Cowpeas, soy beans or velvet beans are excellent crops for planting between the trees; it is best to drill-in two feet apart, leaving four or more feet on each side of the trees, so as to have the ample room for cultivation. Cultivate frequently, and in the late fall or early winter turn under the cover-crop. When the orchard begins to bear it should have clean cultivation, but as soon as the fruit is harvested drill in peas for a cover-crop and turn this under as above directed.

PRICES:

| | Each | 10 |
|------------------------------|--------|--------|
| 2-3 feet, 1 year trees | \$.50 | \$4.50 |
| 3-4 feet, 1 year trees | .60 | 5.50 |
| 4-5 feet, 1 year trees | .75 | 6.50 |

Peaches, Freestone

BELLE. (Belle of Georgia). Very large; skin white, with red cheek; flesh white, firm, and of excellent flavor; very prolific; excellent shipper. Tree a rapid grower. July 5 to 20.

BRACKETT. (Named in honor of Col. G. B. Brackett, Pomologist, U. S. Department of Agriculture, Washington, D. C.) Introduced by P. J. Berckmans Co. After experimenting with the best named varieties, we have finally succeeded in securing in the Brackett a Peach which fills a long-felt want. Before disseminating this valuable Peach, we gave it a thorough trial for several years, and it has come up to our most sanguine expectations. Its period of ripening commences just at the close of the Elberta season. The fruit is a perfect freestone; large to very large, oblong, with sharp apex and shallow suture; color orange-yellow, washed red and mottled deep

carmine, with a very dark carmine cheek; flesh deep yellow, juicy, highly flavored and of the best quality. It stands shipping well and promises to be a most popular variety. Ripens August 1st to 15th.

CARMAN. Large, creamy white, with deep blush; skin tough, but flesh very tender and of fine flavor; prolific bearer. A most profitable and popular shipping variety. Ripens June 20 to July 1.

ELBERTA. Large; yellow, with red cheek; juicy and of good flavor; flesh yellow. Ripens middle of July. This is an excellent shipping variety.

GREENSBORO. Origin, North Carolina. Round, sometimes elongated; flesh white, very juicy, of good quality; skin white with red cheek, highly colored in the sun. A favorite and profitable early market sort. Ripens latter part of May to June 15th.

J. H. HALE. Size, large; flesh yellow, firm. Ripens a few days before Elberta.

HILEY. (Early Belle). Large; white, with beautiful red cheek; flesh white; quality best. Prolific bearer. Ripens June 25 to July 5. The best shipping variety of its season, which makes it very valuable.

MAYFLOWER. (Neva-Myss, Early Wonder). Originated in North Carolina. An excellent variety. Fruit small to medium; round; entirely covered with red. Blooms late, very hardy; bears early, and, so far, ripens ahead of any other variety. May 15th to June 1st. Especially desirable to extreme southern parts of Georgia and the Coastal Belt.

SALWAY. Large; dull yellow, mottled brownish red; flesh yellow, firm, but rather acid; fine flavor. August 15th.

SLAPPEY. Clear golden yellow, with dark cheek; flesh yellow and of good quality. Ripens July 5th to 10th.

Peaches, Clingstone

RED BIRD. Tree hardy, good bearer. Large fruit, brilliantly colored; fair quality, and a splendid shipper. June 15th to 20th.

STINSON. Large; white, with red cheek; of very good flavor. The most profitable late Peach yet introduced for southern markets. Middle of October.

Pears

As a rule, Pears are most successfully grown in a very heavy, clay, or clayey loam, that has been well fertilized. If grown in sandy soil, coarse manure or litter should be worked into the soil. Mulching is of great benefit, and the orchard should be kept cultivated at all times.

This list of select varieties has been reduced to such as have been thoroughly tested and have proven valuable throughout the largest section of the South.

Distance for planting: Standard trees 20 to 25 feet.

PRICES:

| | Each | 10 |
|-----------------------------------------|--------|--------|
| Standard, 3 years, well branched | \$1.00 | \$8.00 |
| Standard, 1 and 2 years, branched | .75 | 6.00 |

Bartlett. Large; buttery, melting, of rich flavor. Very popular. Ripens end of July and during August.

Garber. Resembles the Kieffer in size, appearance and quality, but matures here in August, and between the Le Conte and Kieffer. A thrifty grower and valuable variety.

Kieffer. Fruit large to very large; skin yellow, with a light vermilion cheek; flesh brittle; very juicy, with a marked musky aroma; quality good. Matures from September to October. Tree vigorous and very prolific. Begins to bear when four years old.

Koonce. Medium to large; very handsome; juicy; sweet; very good. Tree a vigorous grower. Middle of June.

Le Conte. (Chinese Pear). Fruit large; uniform; skin smooth; pale yellow; quality very variable; usually of second quality, but if allowed to mature slowly in a cool, dark room, its quality improves remarkably. Maturity from July 20 to end of August. Trees begin to bear when five years old.

Seckel. Of exquisite flavor; perhaps the standard quality in pears. Tree a stout slow grower. September.

ABOVE VARIETIES IN ONE AND TWO YEARS ONLY.

FOLLOWING VARIETIES IN THREE YEAR ONLY SUMMER

Alamo. Origin, Texas. Large; yellow, with bronze cheek. Tree a vigorous grower; bears young.

Angouleme. (Duchesse d'Angouleme). Large; melting; juicy and well flavored. Vigorous grower and reliable bearer. August 15.

Archangel. (St. Michael Archangel). Large; melting; very good; juicy; tree pyramidal; ripens in August.

Clapp Favorite. Resembles Bartlett, but ripens a few days earlier. Fine flavor. Tree a vigorous grower.

Golden Russet. (Japan Golden Russet). Large; almost globular, entirely covered with russet; firm, juicy; excellent for canning and preserving. A strong vigorous grower.

Lucrative. (Belle Seignuer d'Esperen, Fondante d'Automne). Large; melting; delicious; fine grower; bears abundantly and regularly. End of July and August.

Marguerite. (Petite Marguerite). Small, very early. An improvement upon Summer Doyenne. Ripens early June.

Philadelphia. Large, melting, very good: middle of July.

Summer Doyenne. (Doyenne d'Ete). Small, melting very good: tree a medium grower; ripens early June.

Wilder. Small to medium; yellow, with dark red cheek; melting sweet and very good. Beginning of June. Of vigorous and symmetrical growth. A valuable early market fruit.

WINTER AND AUTUMN

Anjou. (Benrre d'Anjou). Large; juicy; melting. A fine tree and regular bearer. September.

Diel. (Benrre Diel). Large; buttery; rich; vigorous grower. September.

La France. Resembles Angoulême, but a month or six weeks later. A desirable variety.

Langelier. (Benrre Langelier.) Medium, juicy, vinous and good; October and November.

Lawrence. Very large; melting; rich. Tree a remarkably fine grower. September and October.

Seckel. Of exquisite flavor; perhaps the standard quality in Pears. Tree a stout, slow grower. September.

Sheldon. Large; round; russety; first quality. Last of August.

Superfin. (Beurre Superfin). Large; melting; subacid. Fine tree and regular bearer. August.

Japan Persimmons (*Diospyros Kaki*)

The Japan Persimmon is thoroughly at home in the Cotton Belt. It does especially well in the Coast Region. Some varieties have succeeded in Middle Kentucky and Virginia, also are growing successfully in southern New Jersey.

The tree is a vigorous grower and an early and most prolific bearer. In fact, the tree is apt to overbear, and, therefore, the fruit must be properly thinned. The persimmons will succeed with little care or attention, but to get the best results it should receive the proper care and attention as to fertilization and cultivation.

This fruit is coming to the front for market purposes, and commands good prices, as it usually comes on the market in the fall and early winter. A careful selection of varieties will give fruit from August until frost. If the fruit is harvested before it is touched by frost, and house-ripened, the quality becomes greatly improved. For shipment the fruit should be packed in flat boxes with divisions, or in the standard six-basket carrier as is used for Peaches. Some varieties have dark flesh which are edible while the fruit is hard; whereas the light flesh varieties must be thoroughly matured before they can be eaten, as they are very astringent until fully ripened. The fruit of nearly every variety begins to color when half grown, but should be allowed to hang upon the tree just before frost is expected, or in the case of early ripening varieties, when fully matured. Many of the late-ripening varieties can be kept until February. Some varieties will be seedless during certain years, and then again in other years they will contain more or less seeds. Furthermore, both round and pointed specimens are sometimes produced on the same tree.

PRICES:

| | Each | 10 |
|---------------------------------------|--------|--------|
| Budded and grafted, 4 to 5 feet | \$1.00 | \$8.00 |
| Budded and grafted, 3 to 4 feet | .75 | 6.00 |

Among. (Yemon). Round; flattened; deeply ribbed; dark orange-red; 2½ to 3 inches in diameter; average weight, 6 ounces; flesh red; very sweet and sometimes edible while still solid.

Costata. Medium. Conical, pointed; 2½ inches long by 2¾ inches in diameter. Skin salmon yellow; flesh light-yellow; astringent while solid, excellent when ripe. Ripens late; fine keeper; tree a rapid and upright grower. Luxuriant foliage.

Hiyakume. This is perhaps the most desirable of all the round, red-fleshed varieties, and as the fruit affects various shapes, it is known under many names such as Pound, etc. Fruit large, averaging 3 inches in diameter and 5 ounces in weight; usually flattened, but elongated forms are quite common upon the same branch; flesh bright orange-red. Keeps very

late; must be soft before being edible. Tree of moderate height.

Tamopan. (Big Grindstone.) This valuable, new, vigorous variety was introduced by Mr. Frank N. Meyer, Agricultural Explorer of the Department of Agriculture, Washington, D. C. In Japan this is considered the best of all persimmons. Fruit bright orange-red; skin thick and tough; flesh light colored; seedless; of excellent quality. Some without astringency and can be eaten while hard. The tree is a thrifty grower.

Triumph. Originated in Florida, but grown from seed imported from Japan. Tomato shaped; medium size, 2¾ to 3 inches; skin smooth and bright red; flesh yellow, firm and of fine quality. Very few seeds. Tree a strong and upright grower; very productive.

Plums

PRICES:

| | Each | 10 |
|--------------------------------|--------|---------|
| 5 to 7 feet, extra heavy | \$1.25 | \$10.00 |
| 4 to 5 feet | 1.00 | 8.00 |

Distance for planting, 15 to 25 feet apart, each way.

Abundance. (Yellow-Fleshed Botan). Round with pointed apex, but varies from quite round to sharply pointed. Skin yellow, heavily washed purple-carmine and a darker cheek; flesh yellow, very juicy, subacid, with apricot flavor; quite firm; skin tough; clingstone; quality best; pit large. Maturity June 15 to July 5. One of the best early varieties, and valuable for northern and middle states. Carries well to distant markets.

Cumberland. Originated near Augusta from seed collected upon the Cumberland Mountains in 1864. Large, yellow, juicy, sweet, good. Matures August and September. The best late Plum for this locality.

Red Nagate. (Red June, or Long Fruit). 1¾ by 1½ inches, pointed; skin thick; purplish red, with blue bloom; flesh yellow, solid, somewhat coarse-grained, juicy, subacid, with Damson flavor; clingstone; quality good. Maturity 10th to end of June. Very prolific, showy and attractive in color. It ripens a week before Abundance, and is the earliest large-fruited market variety.

Wickson. Fruit large to very large; obconical; waxy white when half-grown, then the color gradually changes to pink and to dark crimson-purple; flesh very firm, yellow, juicy, subacid and highly flavored; pit small; clingstone; best quality. July 10 to 25.

Quinces

These succeed best in strong, clay soil, in special localities, and in the Piedmont section. They can be grown in bush form. Being somewhat subject to leaf-blight, the trees should be sprayed with Bordeaux Mixture before the buds swell, repeating the spraying throughout the summer at intervals, as necessary. However, in some sections, Quinces seem to be free of blight.

Apple, or Orange. Large; round. Excellent late variety; bears abundantly.

PRICES:

| | Each | 10 |
|------------------------------------------|--------|--------|
| Strong, budded, 4-5 feet, branched | \$1.00 | \$8.00 |
| Strong, budded, 3-4 feet, branched | .75 | 6.50 |

Nut-Bearing Trees

Almonds

Almonds can be successfully grown in some sections of the South, but, owing to their early blooming periods, the fruit is sometimes killed by late spring frosts. The almond requires the same cultivation as the Peach.

PRICES:

| | Each | 10 |
|--------------------------------|--------|--------|
| 1-year trees, 4 to 5 feet..... | \$1.00 | \$8.00 |

I. X. L. A desirable California variety. Sturdy upright grower; nut large; soft shell; heavy bearer.

Chestnuts

PRICES:

| | Each |
|-------------------------------|--------|
| 6-8 ft., heavy branched | \$2.00 |
| 5-6 ft., heavy branched | 1.50 |

Large Spanish. Nuts large; not so sweet as American, but command a ready sale. Does well in this locality. Bears early and freely.

Walnuts

English or Persian Walnuts (Juglans Regia)

The English Walnut requires a rich, well-drained and preferably stony soil. Never plant in hard pan, heavy clays, or soils which are not properly drained. In some sections of the Eastern and Southern States the English Walnut is quite successfully grown. The trees we offer are all grown from the best French seed, and have been transplanted.

PRICES:

| | Each | 10 |
|-------------------|--------|--------|
| 18-24 inch, | \$.60 | \$5.50 |

BLACK WALNUT (Juglans Nigra)

The well known native Black Walnut.

PRICES:

| | Each | 10 |
|----------------------|--------|--------|
| 5-6 ft., heavy | \$1.50 | |
| 4-5 ft., heavy | 1.00 | |
| 3-4 ft. | .75 | |
| 2-3 ft. | .50 | \$4.00 |

Pecans

Where soil and climatic conditions are proper, it has been practically demonstrated that Pecan-growing is a paying investment; but only grafted or budded trees of well-known and meritorious varieties should be planted, and these varieties should have the following qualifications: Large size, good flavor, thin shell, easy-cracking quality, and freedom from disease; furthermore, the purchaser should know that the trees are propagated from grafts or buds taken from good, bearing trees.

Pecans should be planted from 50 to 60 feet apart, according to soil, but this must be good; although the Pecan adapts itself to a great variety of soils—the rich alluvial soil of the river bottom and high land of the sandy pine levels. The Pecan grows well on sandy land having a clay sub-soil, but it will not flourish in deep sand. Never set a Pecan in pipe clay land, or that which is not well drained. If the land sours the tree will die or will be so badly injured that it will never give satisfactory results. If you expect to get good results from your Pecans the trees must receive the proper care and attention as to cultivation, fertilization and pruning. If you do not propose to follow these directions better leave Pecans alone.

The best time for transplanting Pecans is just as soon as the trees are thoroughly matured in the fall, and the transplanting can be safely done until March. The land between the rows can be planted for several years in Cotton, Peas, Potatoes, Melons or any hood crop. Never plant small grain in the Pecan orchard. When the trees have reached the bearing stage it is advisable to plant a cover crop of Peas, Soy Beans, Vetch, or Clover, and turn these under at the proper time.

The Pecan is long lived. Budded and grafted trees, if given the proper attention will begin to bear 5 years after being set out, but paying results cannot be expected of the trees before 8 years of age. A 10 year old tree should produce from 15 to 20 pounds of nuts.

For fungus diseases and insects injurious to the Pecan, see page 6.

DIRECTIONS FOR HANDLING AND TRANSPLANTING PECANS.

Take great care in preventing the roots of trees from becoming dry by being exposed to the weather. Keep the roots moist and covered at all times. When taking the trees to the field for setting, they must be carefully covered with moss, wet sacks or something similar, to protect them from drying out. This is important. Only one tree should be removed at a time, and this set at once in the hole previously dug. The hole must be at least two feet wide and of proper depth. Cut off the ends of all bruised or broken roots. Use a sharp knife for this; do not use an axe or hatchet. It has been practically demonstrated that it is advisable to cut off a part of the tap-root, as this causes the roots to throw out laterals. This will allow the tree to receive food, and at the same time affords it a firmer hold upon the land. Place the tree in the hole about two inches deeper than it originally stood in the nursery row; fill the hole about half full with well pulverized top soil in which there is a proper proportion of well-rotted stable manure. If this is not available, use the proper amount of high-grade fertilizer or bone meal. This must also be thoroughly mixed with the soil.

Pack the earth well about the roots of the tree, the firmer the better. Fill up the hole and pack the dirt well, but leave at least two inches of loose soil on top. If the soil is very dry, some water should be poured about the tree when the hole is partly filled. When the trees are more than four to five feet in height, the top should be cut back to within four feet of the ground. Do this after the tree is planted. Be careful not to break the eyes off the tree in handling. Keep them well cultivated and properly pruned. Excellent results are obtained in planting Pecans with dynamite—one-half pound of dynamite placed 2 feet below the level is ample.

All trees are budded or grafted on thrifty two and three year seedlings, and are, therefore, very hardy and satisfactory.

| PRICES: | Each | 10 |
|--------------------------|--------|---------|
| 5 to 6 feet, heavy | \$2.00 | \$19.00 |
| 4 to 5 feet, heavy | 1.75 | 16.50 |

| PRICES: | Each | 10 |
|--------------------------|------|-------|
| 3 to 4 feet, heavy | 1.50 | 14.00 |
| 2 to 3 feet, heavy | 1.25 | 11.50 |

Frotscher. Very large, nuts averaging 45 to 50 to the pound. Shell very thin; can be cracked with the teeth; meat sweet and of fine quality, and can be removed entirely from the shell. One of the best Pecans grown.

Delmas. A large nut and a very early and prolific bearer.

Schley. Medium to large; 1½ to 1¾ inches long; oblong, slightly flattened; shell thin; plump, rich flavor; good grower; one of the best.

Stuart. Nut large to very large; 1¾ to 2½ inches long; oblong; shell of medium thickness, and of very good cracking quality; kernel full, plump, of best quality; flavor rich and sweet; a good grower; heavy bearer; excellent.

Van Deman. Nut large to very large; from 1¾ to 2½ inches in length, slender, pointed at both ends; shell of medium thickness; excellent cracking qualities; kernel full and plump; flavor good; vigorous grower; large foliage.

Small Fruits

Blackberries

Cultural Directions—Blackberries thrive on almost any soil, but the most desirable is a strong loam, retentive of moisture, tending toward clay rather than sand, but it must be well drained at all times. Fertilizers containing a good proportion of potash are the most desirable; too much humus or nitrogen will induce a rank growth of wood at the expense of the fruit. As a preventive for rust, spray with copper sulphate solution during the fall and winter, and with Bordeaux (4-6-50) during the spring and summer. The rows should be 6 to 8 feet apart and the plants from 3 to 4 feet in the row, according to the character of the soil. If desired to cultivate both ways set the plants in checks 6 to 7 feet each way. As soon as the fruiting season is past, remove the old canes; these should be burned at once. The young canes should be clipped off when they reach the height of about 2 feet; this will cause them to branch and they will become self-supporting. Apply fertilizer during the late winter and give shallow and constant cultivation.

PRICES:

20c each; \$1.50 for 10; \$10.00 per 100.

Eldorado. Very hardy and vigorous. Berries large, borne in large clusters, and ripen well together; very sweet; no core. A heavy bearer, and valuable sort.

Himalaya. Strong grower; very prolific. A desirable variety; on account of quick growth should be grown on trellis.

Mersereau. A most valuable variety. Fruit of immense size. Early and enormous bearer; very hardy.

Cherries

PRICE: Each
Heavy, 11-16 in. caliper\$1.50

Black Tartarian. Very large; black.

Early Richmond. Medium size, light red, acid. Ripens last of May.

Governor Wood. Large; yellow and red.

Large Montmorenci. The best cherry for general use. Large size; rich red. Very productive; follows Early Richmond. A good grower and bearer.

Dewberries

Cultural Directions—Use short, stout stakes, driven at the end of each row of canes, with a cross-piece 18 inches long nailed to each stake, 2½ to 3 feet from the ground. On the top, near each end of these cross-pieces, drive a stout nail, slanting toward the stake, upon which to catch a wire. Two lines of No. 14 galvanized wire, one on each side of the row, are fastened to one

end of the stakes and run on the ground between the rows to the other end stake. These wires are now drawn as taut as possible and securely fastened to the other end of the row. The wires are now raised and caught in the nails, thus holding all the canes closely together in the row.

Dewberries should be mulched to keep the berries from the ground.

PRICES:

20c each; \$1.50 for 10; \$10.00 per 100.

Austin's Improved. Very large fruit. Vigorous grower and very productive. The best variety for the South.

Raspberries

Cultural Directions—The same as for Blackberries and Dewberries. These thrive best in a deep, moist, well drained soil; the lighter loams are best for the red, and the heavy loams for the blackcaps. To make a success of Raspberries, the land should be able to withstand drought well. Cottonseed meal, pure ground bone, or fertilizers containing a good proportion of potash are best and should be liberally applied during the winter and early spring. To get the best results and keep the plants in vigorous condition, they must be mulched heavily with straw.

PRICES: Each 10 100
Strong plants\$.20 \$1.50 \$12.50

Cumberland. (Black). Very large, firm, high quality and the best mid-season market variety, giving the utmost satisfaction to both grower and shipper.

Cuthbert. Queen of the Market. This is the best and most reliable of the red-fruited varieties. Fruit large, red and of excellent quality, prolific bearer; ripens middle of May and continues for several weeks. Fine shipper.

St. Regis. (Ranere). Berries large, bright crimson; flesh rich; wonderfully prolific; bears early; produces fruit through a long period. We have given this a thorough trial and consider it one of the best Raspberries ever sent out.

Strawberries

PRICES:

Transplanted, selected layers, 35c per 10; \$3.00 per 100.

Klondike. Early. Berries uniform; dark red, mild and delicious; very juicy.

Lady Thompson. Berries medium in size, of very rich flavor. A thrifty grower and very productive.

Progressive Everbearing Strawberries. This is best of ever-bearing varieties and will produce crops where others fail.

Grapes. Native Varieties

The varieties below described have been thoroughly tested in this section. In addition we can supply a limited quantity of vines or several other good sorts. Our plants are strong and vigorous.

In transplanting Grapes, leave the main branch and cut this back to two or three eyes. The usual distance for planting Grapes is 10 by 10 feet. If you want to get good results from your Grapes, prune annually.

| PRICES: | Each | 10 |
|---------------------|--------|--------|
| Strong plants | \$.35 | \$3.00 |

Amber. Pale amber; long branches; berry medium; sweet; fine flavor.

Brighton. Bunches medium; berries large, reddish; skin thin, quality best. An excellent early table or market Grape. Vigorous.

Catawba. Bunch and berry large; deep red, with lilac bloom; juicy, vinous and of musky flavor.

Concord. Bunch and berry very large; blue-black, with bloom; skin thin; cracks easily; flesh sweet, pulpy, tender; quality good. Very prolific and a vigorous grower. One of the most reliable and profitable varieties for general cultivation.

Delaware. Bunch compact; berry medium; light red; quality best; moderate grower, but vine very healthy; very prolific and more free from disease than any other variety. The most popular Grape grown; unsurpassed for table and for white wine.

Knight. Originated at Savannah, Ga. Bunch compact, berry medium, blue-black; very prolific; vigorous grower. Commences to ripen last of July and fruit matures through a long period.

Moore. (Moore's Early). Bunch medium; berry large, round; black, with heavy blue bloom; medium quality. Very early, desirable market sort.

Niagara. Bunch and berry large; greenish-yellow; flesh pulpy, sweet, foxy. Its remarkable size and fine appearance give it much popularity as a market variety; vigorous and prolific.

Worden. Resembles Concord, but is a few days earlier and generally regarded as a better Grape.

Bullace or Muscandine Grapes

(Vitis Rotundifolia or Vulpina)

This type is purely southern, and is of no value for the northern or western states. Vine is free from all diseases. The fruit never decays before maturity. The product is very large, and the cultivation reduced to the simplest form. Plant from 20 to 30 feet in a row; train on a arbor or trellis.

| PRICES: | |
|--------------------------------------------------------------------------------------|--|
| Strong, 4-year, heavy, transplanted vines, 50c each; \$4.00 per 10. | |
| Strong, 2-year, heavy, transplanted vines, 35c each; \$3.00 per 10; \$25.00 per 100. | |

Flowers. Bunches have from 15 to 25 berries; black and sweet, vinous flavor. Matures from end of September to end of October, or four to six weeks later than Scuppernong.

James. Berries very large, blue-black, in clusters of from six to ten; skin very thin; pulp tough, sweet and juicy, but not dissolving; quality very good. A showy fruit. Ripens after Scuppernong.

Scuppernong. Berries large; seldom more than 8 to 10 in a cluster; color brown; skin thick, flesh pulpy, very vinous, sweet, and of a peculiar musky aroma. A certain crop may be expected annually. Vine is free from all diseases and insect depredations. Fruit has never been known to decay before maturity. Wonderfully prolific.

Thomas. Bunches from 6 to 10 berries; berries slightly oblong, large, violet, quite transparent; pulp tender, sweet and of a delightful vinous flavor. Best of the type. Very little musky aroma. Matures middle to end of August.

Mulberries

| PRICES: | Each | 10 |
|------------------------------|--------|------|
| 2-year, grafted, 7-9 ft..... | \$1.00 | |
| 1-year, grafted, 5-7 ft..... | .75 | 6.00 |
| 1-year, grafted, 4-5 ft..... | .60 | 5.00 |

Downing. Fruit of rich, subacid flavor; lasts six weeks. Stands winter of western and middle states.

Hicks. Wonderfully prolific; fruit sweet; excellent for poultry and hogs. Fruit produced during four months.

Olives

Picholine Olives were quite extensively cultivated on the coast of Georgia and South Carolina, previous to the Civil War, and an excellent quality of oil was produced. Some of these plantings are still producing fruit which is used quite successfully for pickling. There is no reason why this industry should not be revived.

A peculiarity of the Olive is that it flourishes and bears abundant crops on rock and barren soils, where no other fruit trees are successful.

| PRICES: | Each | 10 |
|-------------------------------------------------------------------|--------|--------|
| 18 to 24 inches, well-branched, from pots and open ground..... | \$.75 | \$6.00 |
| 15 to 18 inches, from pots and open ground | .50 | 4.00 |

Pomegranates

The Pomegranate is hardy in the gulf states and central sections of Georgia and the Carolinas. The plants will frequently attain a height of upward of 20 feet. It is of good form and foliage; bright scarlet flowers make it a

most ornamental plant. It bears early and profusely. The demand for the fruit is increasing in eastern markets, and the Pomegranate is being grown in some sections on an extensive scale. The fruit carries well to distant markets.

| PRICES: | Each | 10 |
|---------------------------|--------|--------|
| 3-4 ft., very bushy | \$1.00 | \$8.00 |
| 2-3 ft., bushy | .50 | 4.00 |

Subacid. Very large; highly colored. Pulp juicy, subacid.

Sweet. Fruit very large; brilliantly colored.

Ornamental Department

Deciduous Shrubs

It is seldom that a home in the country, suburb or town cannot be improved in appearance and greatly enhanced in value by the judicious treatment of the grounds, irrespective of size; and for this purpose many flowering shrubs lend themselves most admirably. Shrubbery, properly planted and massed, is most effective in bringing out certain features of the lawn, to screen some unsightly building or object, or to break the outline of foundation walls.

Along the drive, the walk or the edge of the lawn, borders of shrubs may be planted that will give a succession of bloom from early spring until frost. Even after the leaves have dropped, the brilliant berries and branches of many varieties add cheer and color to the winter landscape. Frequently one finds a spot that suggest the use of an individual specimen—in such a case a variety should be selected that will develop symmetrically.

In addition to the shrubs that are best adapted to the various sections of the South we grow many of the hardier kinds suited to the colder sections of the North and North-West.

PLANTING AND CULTIVATING SHRUBS

The same directions for the preparation of the soil and planting as given for deciduous trees on page 4 apply to the average deciduous shrub. We cannot, however, too strongly emphasize the necessity of keeping the ground free from weeds and grass, and loose by frequent stirring, after being planted.

Do not fail to properly prune your shrubs as soon as planted. The success of your plants depends upon proper pruning. All deciduous shrubs should be pruned annually. The tops and branches should be cut back one-third or one-half if necessary; all dead branches and weak growth should be removed, and care must be exercised not to cut off the blooming wood. All shrubs that flower on the previous year's growth should not be pruned until June or July, or after the blooming period has passed. To this class belong the Althæas, Cydonias, Deutzias, Forsythias, Philadelphus, Spiræa, etc. Do not fail to fertilize your shrubs at least once a year.

ALTHÆA FRUTEX. See Hibiscus Syriacus.

Azalea

Azalea calendulacea. (A. Lutea). (Great Flame Azalea). This is one of our most magnificent native flowering shrubs, producing about the middle of April, quantities of clusters of large flowers of many shades of yellow, orange, buff, and shades of red. The plant remains in bloom for several weeks. Some plants attain a height of from 6 to 8 feet. When planted in masses, its great beauty is brought out.

| PRICES: | Each | 10 |
|-------------------------------|--------|---------|
| 2-2½ ft., strong clumps | \$3.00 | \$25.00 |
| 18-24 in., clumps | 2.00 | 17.50 |

Amygdalis tribola. (Prunus triloba). Double flowering plum. A native of China; a very desirable early flowering ornamental shrub. Double flowers of a delicate pink shade are produced in enormous quantity along the slender branches. Blooms April 1st.

| PRICE: | Each |
|----------------|--------|
| 3-4 feet | \$1.00 |

Berberis

Berberis Thunbergii. (Thunberg's Barberry). A dwarf shrub from Japan: leaves small, bright-green, changing in autumn to beautiful tones of orange, scarlet and crimson; yellow flowers produced in early April followed by red berries which are produced in

great profusion and which last the entire winter. A popular plant for massing and for hedges.

| PRICES: | Each | 10 |
|--------------------------------|--------|--------|
| 18-24 in., well branched | \$.50 | \$4.00 |
| 12-18 in., well branched | .40 | 3.00 |

Berberis Vulgaris Altro-purpurea. (Purple-leaved Barberry). A form of the European Barberry, but with bright purple foliage; small, bright yellow flowers, borne in great profusion last of April; a most conspicuous plant; very effective when properly planted with other shrubs. This plant usually attains a height of 5 to 6 feet.

| PRICES: | Each | 10 |
|----------------|--------|--------|
| 3-4 feet | \$.75 | \$6.00 |
| 2-3 feet | .50 | 4.00 |

Buddleia

| PRICES: | Each | 10 |
|--------------------------------|--------|--------|
| 18-24 in., well branched | \$.50 | \$4.00 |
| 15-18 in., branched | .40 | 3.50 |

Buddleia Davidii magnifica. (B. variabilis magnifica.) (Butterfly Bush.) Flowers of a deep shade of violet; plant is also tall grower; blooms from June until frost; very ornamental. The best Buddleia yet introduced.

Calycanthus

Calycanthus floridus. (butneria florida.) Sweet or Strawberry Shrub. The native sweet or brown shrub. Flowers double, chocolate-colored, very fragrant, blooms in early April and lasts for several weeks.

| PRICES: | Each | 10 |
|----------------|--------|--------|
| 3-4 feet | \$.75 | \$6.50 |
| 2-3 feet | .50 | 4.00 |

CALYCANTHUS PRAECOX. See Meratia praecox.

Callicarpa

| PRICES: | Each | 10 |
|--------------------|--------|--------|
| 2-3 feet | \$.60 | \$5.00 |
| 18-24 inches | .50 | 4.00 |

Callicarpa Americana. (French Mulberry.) With purple berries, produced in clusters; very effective in fall and early winter. This beautiful native plant is not sufficiently appreciated.

Callicarpa Americana alba. Very scarce. Similar to above, but with white berries. A very distinct and novel plant.

Cercis (Judas Tree)

Cercis Siliquastrum. A new form which originated in the Nursery of P. J. Berckmans Co. A large growing shrub or small tree; leaves heart-shaped, and, like the other Cercis, assumes a yellow tone in autumn. This Judas Tree is the most profuse bloomer we have ever seen: deep lavender colored flowers, four

times as large as that of our native Judas Tree. They are produced in large bunches, and when in full bloom, the tree is an entire mass of color. This variety has been tested for several years, and, in offering it, we are sure that it will become a great favorite.

| PRICES: | Each | 10 |
|------------------------------------|--------|---------|
| 6-8 ft., extra heavy, budded | \$3.00 | |
| 4-6 ft., extra heavy, budded | 2.00 | \$17.50 |

Chilopsis

| PRICES: | Each | 10 |
|----------------|--------|--------|
| 2-3 feet | \$.50 | \$4.00 |

Chilopsis linearis. (Flowering Willow.) A tall-growing shrub or small tree from southwest Texas; leaves linear; flowers lilac striped with yellow; lobes beautifully crimped; blooms continuously from April until frost. Does well in dry situations.

Chionanthus

Chionanthus virginica. (White Fringe.) A very ornamental native shrub. In early April the plant is literally covered with white, fringe-like flowers.

| PRICES: | Each | 10 |
|---------------------------|--------|--------|
| 15-18 in., branched | \$.35 | \$3.00 |

CITRUS TRIFOLIATA. See Poncirus Trifoliata.

Cornus (Dogwood)

C. Sibirica. (Red Siberian Osier.) An upright shrub. Branches bright red; leaves dark green; flowers creamy white, in numerous small panicles; fruit light blue. Usually attains a height of 6 to 10 feet. A very conspicuous shrub in early spring.

| PRICES: | Each | 10 |
|-------------------------|--------|--------|
| 2-3 ft., branched | \$.50 | \$4.00 |

Corchorus

Corchorus Japonicus fl. pl. (Kerria Japonica). Globe Flower; Japanese Rose. This is an old favorite. It is of spreading habit, with double yellow bloom about an inch in diameter, which appears early in April; effective for massing. Attains a height of about five feet.

| PRICES: | Each | 10 |
|--------------------|--------|--------|
| 18-24 inches | \$.25 | \$2.00 |
| 2-3 feet | .50 | 4.00 |

Cydonia

Cydonia Japonica. (Japan Quince, or Fire Bush). Mixed colors.

| PRICES: | Each | 10 |
|--------------------|--------|--------|
| 18-24 inches | \$.75 | \$6.00 |
| 12-18 inches | .60 | 5.00 |
| 10-12 inches | .50 | 4.00 |



Exchorda grandiflora

Deutzia

| PRICES: | Each | 10 |
|--------------------------------|--------|--------|
| 3-4 ft., very heavy | \$.75 | \$6.00 |
| 2-3 ft., very heavy | .60 | 5.00 |
| 18-24 inches, very bushy | .50 | 4.00 |

D. gracilis. Flowers pure white, bell-shaped; quite dwarf; is also valuable as a pot-plant for winter blooming in conservatory. Blooms early in April.

D. gracilis rosea. Flowers single, outer petals pink; quite dwarf; blooms in early April.

Deutzia Pride of Rochester. Double white, back of petals faintly tinted with pink; large panicles; blooms middle of April, and continues to bloom three or four weeks.

D. scabra erenata. (Single White Deutzia). Flowers pure white, single, produced in great profusion in April. A tall grower.

D. scabra erenata flore plena alba. (D. scabra candidissima.) Flowers pure white, double, produced in great abundance middle of April. A tall-growing variety.

D. scabra erenata flore plena rosea. (Double Pink Deutzia.) Same as Deutzia erenata flore plena alba, except that some of the outer petals are rosy purple. Very desirable; blooms last of April, or a little later than Pride of Rochester.

DOGWOOD. See Cornus.

Euonymus

Euonymus Bungeanus. (Bunges' Spindle Tree.) A tall growing Chinese shrub; branches slender; leaves dark, shiny green; fruit bright red, very showy. Yellowish flowers produced in late spring. A most desirable deciduous shrub. Ultimate height 8 to 12 feet.

| PRICES: | Each | 10 |
|-----------------------|--------|--------|
| 4-5 feet, heavy | \$1.00 | \$8.00 |
| 3-4 feet, heavy | .75 | 6.00 |

Exochorda

(Pearl Bush)

Exochorda grandiflora. (Spiraea grandiflora.) A desirable, large, growing shrub, attains a height of from 8 to 10 feet. Large, pure white

flowers produced in great profusion about middle of March. When in full bloom the plant has the appearance of a snowbank. When planted in a mass this plant is most conspicuous.

| PRICES: | Each | 10 |
|--------------------------------|--------|--------|
| 3-4 ft., well-branched | \$.90 | \$7.50 |
| 2-3 ft., well-branched | .75 | 6.00 |
| 18-24 in., well-branched | .50 | 4.00 |

Forsythia (Golden Bell)

| PRICES: | Each | 10 |
|-------------------------------------|--------|--------|
| 3 yrs., 3-4 ft., well-branched..... | \$.50 | \$4.50 |
| 2 yrs., 2-3 ft., well-branched..... | .40 | 3.50 |

Forsythia intermedia. (Hybrid Golden Bell.) A tall variety with slender, arching branches; flowers golden-yellow, produced in great profusion. Attains a height of from 8 to 10 feet; blooms in March.

F. suspensa fortunei. (Fortunes Golden Bell). Similar to F. suspensa, but habit is more upright and vigorous. Flowers golden-yellow, frequently with twisted petals. A desirable variety. Grows to a height of 8 to 10 feet. Blooms in March.

F. viridissima. (Golden Bell). Flowers golden yellow, produced in great profusion last of February or early in March. Most effective when planted in large groups.

Genista

Genista Juncea. (Spartium Junceum). Spanish Broom. A most beautiful, erect-growing shrub, almost leafless; stems of vivid green, and when laden with its profusion of golden yellow flowers during April, it forms a most conspicuous object. It continues in bloom for six weeks.

| PRICES: | Each | 10 |
|--------------|--------|--------|
| 2 year | \$.75 | \$6.00 |
| 1 year | .50 | 4.00 |



Hibiscus Syriacus



Hydrangea

Hibiscus Syriacus

Althaea frutex. (Rose of Sharon). The flowers are produced from May until September. When planted in masses of contrasting colors, the effect is most pleasing. The varieties we offer are nearly all of dwarf growth and are far superior to the old sorts.

Single, semi-double and double. When ordering state color desired.

| PRICES: | Each | 10 |
|--------------------------------------|--------|--------|
| 4-5 ft., grafted, extra strong..... | \$.60 | \$5.00 |
| 3-4 ft., grafted, extra strong | .50 | 4.50 |
| 2-3 ft., grafted, well branched | .40 | 3.50 |

HONEYSUCKLE. See *Lonicera*.

Hydrangea

When given a rich, moist soil, where they are protected from the afternoon sun of summer, and the plants kept well enriched, there is nothing more attractive than a mass of well-developed specimen Hydrangeas. They are also very desirable when grown singly or in tubs. Several varieties vary in color from pale rose to blue. This variation is due to certain chemicals contained in the soil.

Can supply white, pink and blue. When ordering state color desired. Have white also in larger sizes.

| PRICES: | Each | 10 |
|--------------------------------|--------|--------|
| 24-30 in., well branched | \$1.00 | \$8.00 |
| 18-24 in., branched | .50 | 4.00 |

Hydrangea arborescens gradiflora. A recent introduction of great value. Blooms very large, snowy white. A valuable acquisition, as it begins to bloom in April and lasts almost the entire summer. In form the panicles are similar to *H. Hortensis*.

| PRICES: | Each | 10 |
|---------------|--------|--------|
| 2 years | \$.75 | \$6.00 |
| 1 year | .50 | 4.00 |

Hydrangea paniculata grandiflora. Produces in July immense panicles of pure white flowers, which last for several weeks; a most valuable shrub. A large bed of this plant makes

a most striking appearance. This shrub should be grown in rich ground and cut back severely during winter. It will then produce magnificent flower-heads.

| PRICES: | Each | 10 |
|---------------|--------|------|
| 2 years | \$.75 | 6.50 |
| 1 year | .50 | 4.00 |

Hypericum

Hypericum Moserianum. (Golden St. John's Wort). A beautiful dwarf shrub, attaining a height of one to two feet. In this section almost an evergreen; leaves dark-green; large, single, bright, golden-yellow flowers two inches in diameter; a very desirable plant; most effective when planted in masses. Blooms from early May throughout the entire summer.

| PRICES: | Each | 10 |
|-----------------------------|--------|--------|
| 3 yrs., extra heavy | \$.60 | \$5.00 |
| 2 yrs., well branched | .45 | 4.00 |

Jasminum

(Jasmine)

Jasminum nudiflorum. (Naked-Flowered Jasmine). A very graceful, hardy, drooping shrub with dark-green bark which gives the plant the appearance of being evergreen; leaves dark-green; bright yellow flowers freely produced in early January and continuing for some time. One of the first plants to bloom. Hardy at New York.

| PRICES: | Each | 10 | 100 |
|-------------------------------|--------|--------|---------|
| 2-3 ft., very heavy | \$.50 | \$4.50 | \$35.00 |
| 18-24 in., well branched | .40 | 3.50 | 25.00 |



Hypericum Moserianum



Crape Myrtle

Lagerstroemia (Crape Myrtle)

Lagerstroemia indica. (Crape Myrtle). A very popular and free flowering shrub, or small tree, which produces blooms in great abundance throughout the summer. The flowers are beautifully fringed and are borne in large clumps. A massing of these, or a single specimen, makes a most striking effect. Commences to bloom in May. We offer three colors: White, Crimson and Pink.

| PRICES: | Each | 10 |
|------------------------------|--------|---------|
| 5-6 ft., well branched | \$1.50 | \$12.50 |
| 4-5 ft., well branched | 1.25 | 10.00 |
| 3-4 ft., well branched | 1.00 | 8.00 |
| 2-3 ft., branched | .75 | 6.00 |

Lonicera

(Honeysuckle) Bush or Upright Form

These plants are vigorous growers and free bloomers, and are readily cultivated.

| PRICES: | Each | 10 |
|--------------------------------|--------|--------|
| 2-3 ft., bushy | \$.60 | \$5.50 |
| 18-24 in., well branched | .40 | 3.50 |

Lonicera bella. Hybrid variety; abundance of pinkish white flowers in early spring, followed by yellow fruit.

Lonicera Fragrantissima. Fragrant Honeysuckle. Highly esteemed for its exceedingly sweet scented, pinkish-white flowers, which appear in February and continue to bloom for a long time.

L. Morrowi. (Japanese Bush Honeysuckle.) A Japanese variety, producing early in April a profusion of white flowers, followed by a mass of bright red fruit.

L. Ruprechtiana. (Manchurian Honeysuckle.) Flowers pure white. Blooms in March and lasts six weeks; berries red or yellow. A very showy variety.

Meratia

Meratia Praeox. (Chionanthus fragrans. Calycanthus Praeox.) (Oriental Sweet Shrub.) A Japanese shrub, producing exquisitely fragrant yellow flowers, usually about January 1st, and lasting for about four weeks. The flowers appear before the leaves, and when in full bloom it is most pleasing plant. It blooms at a period when our gardens are scarce of flowers.

| PRICES: | Each | 10 |
|------------------------------|--------|--------|
| 2-3 ft., well branched | \$.75 | \$6.00 |
| 18-24 in., branched | .50 | 4.00 |

PEARL BUSH. See Exochorda.

Philadelphus

(Syringa or Mock Orange)

Very handsome and vigorous growing shrub with large foliage and beautiful flowers, which are produced in great profusion the latter part of April and early May.

| PRICES: | Each | 10 |
|------------------------------|--------|--------|
| 2-3 ft., well branched | \$.50 | \$4.00 |
| 18-24 in., branched | .40 | 3.50 |

Prices on larger sizes on request.

Philadelphus bouquet blanc. A fine new variety with semi-double white flowers; very free bloomer.

P. couquette. A very desirable new variety with large sweet-scented flowers; dwarf grower.

P. coronarius. (Garland or Sweet Syringa.) Flowers pure white, very sweet, produced in great profusion.

P. grandiflorus. A conspicuous variety, with very large white flowers.

P. souv de Billard. Leaves broad, beautiful flowers, late bloomer.

Poncirus

Poncirus trifoliata. (Citrus trifoliata.) (Hardy Orange.) As an ornamental flowering plant, few are more desirable. The plant attains a height of 10 to 15 feet, and is very bushy and thorny; foliage trifoliata, retained quite late, but is not an evergreen here; however, the vivid green wood gives it an evergreen appearance during winter. In early March the plant is covered with a mass of large, single, white flowers, and a second and third crop of blooms, of similar size, are produced during summer. The bright golden fruit is retained during winter, which makes this plant a showy garden feature. It is also an excellent hedge plant.

| PRICES: | Each | 10 |
|------------------------------|--------|--------|
| 4-5 ft., well branched | \$1.00 | \$8.00 |
| 3-4 ft., well branched | .75 | 6.00 |
| 2-3 ft., strong | .50 | 4.00 |

Prunus

(Double-Flowering Almonds)

Prunus japonica flore plena alba. (Dwarf Double Flowering Almond.) A beautiful dwarf shrub, producing in early spring, before the leaves appear, a mass of small double white flowers. One of the best of the early flowering shrubs.

P. japonica flore plena rubra. (Dwarf Double Pink Flowering Almonds.) Same as the double white almond, except the flowers are double rose. A very beautiful shrub.

PRICE: Each
2-3 feet\$1.00

Punica

(Pomegranate)

Very valuable, summer-flowering, tall-growing shrubs. Perfectly hardy in the South. Flowers are produced in great profusion very early in May, and last almost during the entire summer. Foliage bright, lustrous green. Very conspicuous and desirable.

PRICES: Each 10
4-5 ft., extra heavy\$.75 \$6.00
3-4 ft., very heavy, well branched60 5.00
2-3 ft., branched50 4.00

Punica Granatuna alba. Double; white.

P. Granatum rubra. Beautiful, double-red flowers.

P. Granatum variegata. Sometimes double-red and double-variegated blooms will appear on the same plant.

PYRUS JAPONICA. See Cydonia.

Rhodotypus

(Kerria)

Rhodotypus kerrioides. (White Kerria.) A beautiful and distinct Japanese shrub, attaining a height from 4 to 6 feet; large leaves; white flowers an inch or more in diameter freely produced middle of April, followed by black berries which are retained during the winter.

PRICES: Each 10
3-4 ft., very bushy\$.75 \$5.00
2-3 ft., well branched60 4.00
18-24 in., well branched50

Spiraea

PRICES: Each 10
18-24 in., well branched\$.50 \$1.00
12-18 in., branched40 3.50

SPRING BLOOMING SPIRAEAS

Spiraea prunifolia flore plena. (Bridal Wreath.) A beautiful, early-blooming variety, with small, double white flowers. Commences to bloom early in March.

S. Reevesiana. (Reeve's Single Spiraea.) Produces large clusters of single white flowers, covering the entire bush; flowers very free



Spiraea

in early spring; blooms just before Spiraea Reevesiana fl. pl.

S. Thunbergii. (Common Snow Garland.) A very beautiful dwarf variety with many slender branches forming a dense bush. The leaves in autumn assume brilliant shades of orange and scarlet. Commences to bloom first of March and lasts for some time. Most desirable for a low hedge and for massing.

S. Van Houttei. (Van Houtte's Spiraea.) A graceful shrub, growing 6 to 8 feet in height. Produces a profusion of single white flowers during the latter part of March. One of the most popular Spiraeas.

PERPETUAL BLOOMING SPIRAEAS

PRICES: Each 10
2 yrs. only, extra heavy.....\$.40 \$3.50

Spiraea Anthony Waterer. (Crimson Spiraea.) An improvement upon S. Bumaldi. A remarkably free-flowering shrub, with upright branches. Attains a height of about 3 feet. Leaves bright green, with frequent variegations of yellow. If blooms are cut off as soon as they begin to fade, the plant will bloom the entire season. Makes a low-growing hedge.

S. Billardi. (Billard's Spiraea.) A tall-growing variety. Flowers bright pink, produced in long dense panicles; commences to bloom in May and lasts throughout the summer. Very showy.

S. Fortunei. A variety with very large leaves, which are tinted royal purple, making the plant very conspicuous. Very effective for a border or for planting in groups.

S. Froebeli. A fine, free-growing sort; rosy-colored, flowers, produced last of April in large, flat heads. The young foliage tinted dark red.

S. callosa alba. (Fortune's Dwarf White Spiraea.) Flowers white, of very dwarf growth. Commences to bloom early in April.

PRICES: Each 10
18-24 in., well branched\$.50 \$4.00
12-18 in., branched40 3.50

Staphelea

(European Bladder Nut)

Staphelea pinnata. (Job's Tears.) Upright shrub, sometimes attaining a height of 15 feet. Large leaves; white flowers produced on drooping racemes in May.

| | | |
|---------------------------|--------|--------|
| PRICES: | Each | 10 |
| 18-24 in., branched | \$.50 | \$4.00 |

Symphoricarpos

Symphoricarpos Vulgaris. (Coral Berry.) A native shrub growing naturally from New York to Texas; 4 to 6 feet tall. Purplish red berries are produced in great profusion. They remain upon the plant all winter, making it especially desirable for landscape planting.

| | | |
|----------------|--------|--------|
| PRICES: | Each | 10 |
| 3 years | \$.50 | \$4.00 |
| 2 years | .40 | 3.50 |

Syringa

(Lilac)

These old-fashioned shrubs have been popular for ages. Our collection embraces some of the old as well as the cream of the new European sorts. The first blooms appear here the latter part of March. The Lilac will give the best results in fertile soils, moderately moist, but well drained.

We can supply both single and double varieties. When ordering state color desired.

| | | |
|------------------------------------------|--------|--------|
| PRICES: | Each | 10 |
| Budded Plants. | | |
| 3-4 ft., very heavy, well branched | \$1.00 | \$8.00 |
| 2-3 ft., heavy, branched | .75 | 6.00 |

Tamarix

(Tamarisk)

Tall-growing shrubs, with slender branches and small, delicate leaves which resembles the eypress. Flowers small, pink, produced in great abundance.

An excellent plant for the seashore.

| | | |
|---------------------------|--------|--------|
| PRICES: | Each | 10 |
| 5-6 ft., very heavy | \$1.00 | \$8.00 |
| 4-5 ft., very heavy | .75 | 6.00 |
| 3-4 ft., heavy | .50 | 4.00 |

Tamarix gallica. (French Tamarisk.) Foliage light, glaucous green; flowers pink in summer.

T. juniperina. (T. plumosa.) (Japanese Tamarisk.) Of medium height; foliage very graceful and feathery; a beautiful variety; blooms early in April.

T. odessana. (Caspian Tamarisk.) A new variety, with pale rose flowers, blooming earlier than T. Gallica.

Viburnum

(Snowball)

| | | |
|---------------------------|--------|--------|
| PRICES: | Each | 10 |
| 2-3 ft., branched | \$.60 | \$5.00 |
| 18-24 in., branched | .50 | 4.00 |

Viburnum dentatum. (Arrow Wood.) A strong growing, handsome, upright shrub. Foliage dark, glossy green. Produces, during April and May, umbles of pure white flowers, followed by clusters of crimson berries, which later change to black. A splendid shrub.

Viburnum Japonicum Reticulatum. Strong branches, leaves light green, flowers white. One of the hardiest varieties.

V. Opulus. (High-Bush Cranberry.) A tall shrub with spreading branches. Flowers single white, produced in flat clusters the latter part of April. Berries scarlet; these remain all winter. Very showy.

V. Opulus sterile. (Common Snowball, Guelder Rose). Produces large, globular clusters of white flowers in early April. An old favorite.

V. tomentosum plicatum. (Japanese Snowball.) A beautiful variety of upright, bushy growth; produces heads of white flowers in great profusion. Far superior to the old Snowball. Blooms early in April; lasts several weeks.

Vitex

(Chaste or Hemp Tree)

| | | |
|------------------------------|--------|--------|
| PRICES: | Each | 10 |
| 4-6 ft., well branched | \$.75 | \$6.00 |
| 3-4 ft., well branched | .60 | 5.50 |
| 2-3 ft., well branched | .50 | 4.00 |

Vitex Agnus castus. This is a valuable shrub, or medium growing tree. Flowers in spikes, blue color, blooming early in May and lasting for a long time.

V. Agnus castus alba. Same as above, but with white flowers. A very desirable shrub.

WHITE FRINGE. See Chionanthus.

Weigela

(Diervilla)

Hardy, profuse-blooming shrubs of spreading habit. These are among the showiest of the garden shrubs, producing in early April great masses of showy flowers.

Weigela candida. Pure white; excellent.

| | | |
|--------------------|--------|--------|
| PRICES: | Each | 10 |
| 18-24 inches | \$.60 | \$5.00 |

Weigela hybrida Eva Rathke. Flowers deep carmine red; profuse bloomer and continues in bloom for a long time.

Weigela Mt. Blanc. Blooms similar to Candida except that flowers at first are white, later turning to light pink.

W. rosea. Flowers are light pink, compact grower, free bloomer.

| | | |
|----------------------|--------|--------|
| PRICES: | Each | 10 |
| 3-4 ft., bushy | \$.75 | \$6.50 |
| 2-3 ft., bushy | .60 | 5.50 |

Deciduous Trees

The intelligent tree planter readily appreciates the difference in value between a tree dug in the forest and one taken from our nursery where it has received proper care during the first years of its life. The one is tall, slender and with only a small top; the other is sturdy, with well-developed trunk and a top that is a promise of its future beauty and usefulness as a shade tree. All of our trees have been transplanted several times and plenty of room for development allowed in the row. The root-system is perfect, and, when our nursery-grown trees are properly set and pruned, there should be no loss.

Directions for Planting and Pruning. Before setting out, cut off the broken or bruised roots, should there be any. Trees with branching heads should have the smaller branches cut out, and the larger branches cut back to within three or four buds of their base; but, when a tree has an abundance of roots, and a small top, and few branches, then the pruning need not be so severe. However, when the roots are small and the top heavy, then prune the tree severely. In many cases remove every lateral limb, preserving only the leader, and this, if too long, may be cut back to the proper height. Frequently large trees are transplanted without pruning. This neglect will often cause the tree to die. Dig the hole intended for the tree of ample size, so when the young roots start out they will have soft ground in which to grow. The best fertilizer is well-rotted stable manure, thoroughly mixed with the soil.

Plant about two inches deeper than the tree originally stood in the nursery row, using the top soil for filling in around the roots. See that every interstice around the roots is thoroughly filled, and that every root is brought into contact with the soil. When the hole is nearly filled, pour in a bucket of water, so as to set the soil around the roots, then fill in the balance of the hole and press the dirt gently with the foot. When the tree is planted, if the ground is very dry, it should be sprinkled at evening and early morning. This will keep the bark tender and when rooted the sap will flow easily.

ACACIA. (Mimosa). See Albizzia.

Acer (Maple)

Acer dasycarpum. (*A. saccharinum.*) (Silver or White Maple.) A native species. A desirable, rapid-growing shade tree. Foliage bright green and silvery white beneath. Attains a height of 50 to 60 feet. Should not be confused with the Silver Poplar, or European Aspen, which throws up many shoots from the roots.

| PRICES: | Each | 10 |
|------------------------------------|--------|---------|
| 15-18 ft., 3-3½ in. caliper | \$5.00 | \$45.00 |
| 12-15 ft., 2-2½ in. caliper | 1.50 | 12.50 |
| 12-15 ft., 1¾-2 in. caliper | 1.25 | 10.00 |
| 10-12 ft., 1½-1¾ in. caliper | 1.00 | 8.00 |
| 8-10 ft., 1-1½ in. caliper | .75 | 6.00 |

Acer Japonicum. (Japanese Maple.) When planted in a shady situation where they are protected from the afternoon summer sun, these beautiful plants will give most satisfactory results. The foliage is delicately and finely cut, and the decorative value of these Maples has long been recognized by all lovers of beautiful trees. The plants should be set about three to four feet apart, when planted in a bed.

| PRICES: | Each |
|----------------|--------|
| 3-4 feet | \$4.00 |
| 2-3 feet | 3.00 |

A. dasycarpum Wierii. (Wier's Cut-Leaf Silver Maple.) This is a beautiful form of the Silver Maple. Leaves deeply cut and delicately divided; branches drooping, frequently

touching the ground. A rapid grower and a very effective and popular variety for lawn and park planting. Height 35 to 40 feet.

| PRICES: | Each | 10 | 100 |
|----------------------------------------|--------|---------|----------|
| 12-15 ft., budded, well branched | \$3.00 | \$25.00 | |
| 10-12 ft., budded, well branched | 2.00 | 17.50 | |
| 8-10 ft., budded, well branched | 1.50 | 12.50 | \$100.00 |
| 6-8 ft., budded, well branched | 1.00 | 9.00 | 80.00 |

Albizzia

Albizzia Julibrissin. (*Acacia Julibrissin.*) A rapid growing tree, with spreading branches and a low, flat-topped head; foliage fine and feathery; pink flowers in large heads borne at tips of branches; blooms middle of May and continues for several weeks; a remarkably fine tree.

| PRICES: | Each | 10 |
|-----------------------------|--------|---------|
| 12-14 ft., very heavy | \$3.00 | \$25.00 |
| 10-12 ft., very heavy | 2.00 | 17.50 |
| 8-10 ft., very heavy | 1.50 | 12.50 |
| 6-8 ft., heavy | 1.00 | 8.00 |

Aleurites (Candle Nut)

Aleurites Fordii. The Tung Oil or Wood Oil Tree of China. A medium-sized tree indigenous to central China; reaches a height of 20 to 30 feet, with a spread of 25 to 30 feet. The rather large, pinkish white flowers, which appear in large numbers in April, with the broad, handsome, green leaves following,

make the tree a valuable ornamental. It thrives best in well-drained sand-clay loams. The tree is reported to live to the age of 30 years or more. The apple-like fruits contain several large nut-like seeds which yield the valuable tung oil or China wood oil of commerce, used extensively in paints and varnishes. Commercial plantings should be confined to cheap lands, as the probable yield of oil will not pay for the use of more valuable ones. Experimental plantings of this tung tree have been started in Florida, Georgia, Alabama and South Carolina. It is quite distinct from the Candlenut Tree (*Aleurites moluccana*), in being hardier and deciduous. This tree is becoming very popular as an ornamental. It is perfectly hardy at Augusta.

| PRICES: | Each | 10 |
|------------------------|--------|---------|
| 12-15 ft., heavy | \$3.00 | \$25.00 |
| 10-12 ft., heavy | 2.00 | 17.50 |
| 8-10 ft. | 1.50 | 12.50 |
| 6-8 ft. | 1.00 | 8.00 |

Amygdalis Persica

During March these double-flowering peaches are covered with a mass of beautifully formed and highly colored flowers. These trees cannot be too highly recommended for early spring blooming. They are perfectly hardy and will thrive in any soil in which other peaches will grow.

| PRICES: | Each | 10 |
|-------------------------------------|--------|--------|
| 1 year, 4-5 ft., extra heavy..... | \$1.00 | \$8.00 |
| 1 year, 3-4 ft., well branched..... | .75 | 6.00 |

Amygdalis Persica Chrysanthemum. (Chrysanthemum-Flowered Peach.) Flowers very large, double pink, center quilled like a Chrysanthemum, extra fine; blooms first of April.

A. Persica rubra flore plena. Double crimson.

A. Persica alba flore plena. Double white.

A. Persica carnea flore plena. Double pink.

Celtis (Hackberry)

Celtis Davidiana. Leaves narrow or rounded at the base; green and shining on both sides. Hardy and a very distinct species, with dark green and glossy foliage. Bark smoother than *Celtis Mississippiensis*.

| PRICES: | Each | 10 | 100 |
|------------------|--------|---------|----------|
| 12-14 feet | \$1.50 | \$12.50 | \$100.00 |
| 10-12 feet | 1.00 | 8.00 | 70.00 |
| 8-10 feet | .75 | 6.50 | 55.00 |
| 6-8 feet | .50 | 4.50 | 35.00 |

Celtis mississippiensis. (Nettle Tree, Hackberry or Sugarberry.) One of the most popular and desirable shade trees for avenue or street planting; of rapid growth. As the Hackberry is difficult to transplant, the tree must be

pruned to a single stem, the roots kept moist and not exposed to the air, so that they will not dry out.

| PRICES: | Each | 10 | 100 |
|----------------------------|--------|---------|----------|
| 18-20 ft., well branched, | | | |
| 3 1/2 inch caliper | \$5.00 | \$45.00 | \$400.00 |
| 14-16 ft., well branched, | | | |
| 2 1/2-3 inch caliper | 2.00 | 18.00 | 175.00 |
| 12-14 ft., well branched, | | | |
| 1 1/2-2 inch caliper | 1.50 | 12.50 | 120.00 |
| 10-12 ft., well branched, | | | |
| 1-1 1/4 inch caliper | 1.00 | 8.00 | 75.00 |
| 8-10 feet | .75 | 6.00 | 55.00 |

CERASUS. Flowering Cherry. See *prunus*.

Cercis (Judas Tree)

Cercis canadensis. (Red Bud or American Judas Tree). A fast-growing round headed tree with large, leathery, heart-shaped leaves. The last of March, before the foliage appears, the tree is covered with a profusion of delicate reddish-purple flowers.

| PRICES: | Each | 10 | 100 |
|----------------------------------|--------|---------|----------|
| 12-14 ft., extra heavy | \$4.00 | \$35.00 | |
| 10-12 ft., 1 3/4-2 1/4 in. cal., | | | |
| extra heavy | 2.00 | 18.00 | |
| 8-10 ft., 1 1/2-1 3/4 in. cal., | | | |
| extra heavy | 1.50 | 12.50 | \$100.00 |
| 6-8 ft., 1 1/4 in. cal. | 1.25 | 10.50 | 85.00 |



Dogwood



Ginkgo biloba

Cornus

(Dogwood)

Cornus florida. (White-Flowering Dogwood.)

The native large white-flowering Dogwood.

A most effective plant for the lawn.

| PRICES: | Each | 10 |
|------------------------------------------|--------|---------|
| 6-8 ft., very heavy, well branched | \$2.50 | \$22.50 |
| 5-6 ft., very heavy, well branched | 1.50 | 12.50 |
| 4-5 ft., very heavy, well branched | 1.00 | 9.00 |
| 3-4 ft., well branched | .75 | 6.00 |
| 2-3 ft., branched | .50 | 4.50 |

C. florida rubra. (Red-Flowering Dogwood.) Similar to the White-flowering Dogwood, but the flowers are of a deep rose color. Early in the season it produces large quantities of flowers, which makes it a most effective tree.

| PRICES: | Each |
|-----------------------------------|--------|
| 5-6 ft., very heavy, budded | \$2.50 |
| 4-5 ft., very heavy, budded | 2.00 |
| 3-4 ft., heavy, budded | 1.75 |

ELM. See Ulmus.

Ginkgo

Ginkgo biloba. (*Salisburia adiantifolia*.) (Maiden-hair Tree.) A most beautiful and interesting Japanese tree. Of large size, rapid and erect growth. Foliage resembles that of the Maiden-hair Fern. One of the most desirable shade trees we have. Free from insect diseases. A very popular tree in many cities for street and avenue planting. Considerably used in Washington, D. C. Ultimate height, 60 to 80 feet.

| PRICES: | Each | 10 |
|-----------------|--------|---------|
| 8-10 feet | \$3.00 | |
| 6-8 feet | 2.00 | \$17.50 |
| 5-6 feet | 1.50 | 12.50 |
| 4-5 feet | 1.00 | 9.00 |
| 3-4 feet | .75 | 6.00 |

Hovenia

Hovenia Dulcis. (Honey Tree.) A very attractive small tree with a symmetrical round head. Leaves bright green, heart shaped. The flowers furnish fine bee food. An attractive tree for the lawn.

| PRICES: | Each | 10 |
|----------------|--------|--------|
| 5-6 feet | \$1.00 | \$8.00 |

Koelreuteria

Koelreuteria paniculata. (Golden Rain Tree). A most beautiful, hardy, ornamental shade tree from China, with broad, flat, spreading head of large compound-ovate leaves, which are of a dull red when first appearing in the spring, later assuming a dark-bright green. During the latter part of May large panicles of yellow flowers are produced for at least three weeks. These completely envelope the entire head of the tree. The flowers are followed by bladder-like seed pods, which make the tree very attractive for several weeks after the blooming period. We recommend this tree highly. Height, 25 feet.

| PRICES: | Each | 10 |
|--------------------------------------|--------|---------|
| 10-12 feet | \$2.00 | |
| 8-10 ft., heavy, well branched | 1.50 | \$12.50 |
| 6-8 ft., heavy, well branched | 1.00 | 8.00 |

LINDEN. See Tilia.



Koelreuteria paniculata

Liquidambar (Sweet Gum)

Liquidambar styraciflura. (American Sweet Gum, or Bilsted). One of our handsome native trees. Of upright and symmetrical growth. Especially showy in autumn, when the leaves change from green to either yellow or deep purple. Invaluable for street and landscape planting.

| PRICES: | Each | 10 |
|-----------------------------------------------------|--------|---------|
| 12-14 ft., well branched, 2½-3 in. caliper | \$1.00 | |
| 10-12 ft., well branched, 2-2½ in. caliper | 2.00 | \$17.50 |
| 8-10 ft., well branched, 1½-2 in. caliper | 1.50 | 12.50 |
| 6-8 ft., 1-1½ in. caliper | 1.25 | 10.00 |

Liriodendron (Tulip Poplar)

Liriodendron tulipifera. (Tulip Tree, Tulip Poplar). A magnificent, rapid-growing tree of pyramidal shape; foliage broad and glossy; flowers yellowish-green, tulip-shaped. Valuable for street and lawn planting; also for lumber. Needs severe pruning when transplanting.

| PRICES: | Each | 10 |
|-------------------------------|--------|---------|
| 15-18 ft., 3-3½ in. cal. | \$5.00 | |
| 12-15 ft., 2-2½ in. cal. | 2.00 | \$17.50 |
| 10-12 ft., 1¾-2 in. cal. | 1.50 | 12.50 |
| 8-10 ft., 1¼-1¾ in. cal. | 1.25 | 10.00 |

Magnolia (Chinese Species)

All of the Chinese varieties produce their flowers in the early spring, before the leaves appear, and several sorts produce, or continue to bloom, at periods during the entire summer. No selection is complete without some of these desirable plants.

Magnolia obavata. (M. purpurea.) Chinese Purple Magnolia. This popular variety makes a small tree of compact growth; large purple and white flowers are produced in great profusion the latter part of March, and a few flowers are produced during the entire summer.

| PRICES: | Each | 10 |
|------------------------------------|--------|---------|
| 6-8 ft., very bushy specimens..... | \$5.00 | |
| 5-6 ft., very bushy specimens..... | 3.50 | \$30.00 |
| 3-4 ft., well branched | 2.00 | 17.50 |
| 2-3 ft., well branched | 1.25 | 10.00 |
| 18-24 in., branched | .75 | 6.00 |

M. Soulangiana. (Soulang's Magnolia.) Flowers large, cup-shaped; white, more or less suffused with pink. Blooms in March. Hardy. Ultimate height, 25 feet.

| PRICES: | Each | 10 |
|--------------------------------|--------|--------|
| 18-24 in., 2 year layers | \$1.00 | \$8.00 |

M. Soulangiana nigra. (Dark-Flowered Magnolia.) A very rare variety of vigorous and



Texas Umbrella Tree

robust growth; flowers large, dark purple; several shades darker than *M. obavata*. A free bloomer. Commences to bloom in March and blooms spasmodically during the entire summer. A most beautiful and desirable variety. Distinct from any other sort.

| PRICES: | Each |
|-------------------------------------|--------|
| 4-5 ft., branched, home-grown | \$2.50 |
| 3-4 ft., branched, home-grown | 2.00 |
| 2-3 ft., branched, home-grown | 1.50 |
| 18-24 inches, home-grown | 1.00 |

Melia (China Tree)

Melia Azedarach umbraeuliformis. (Texas Umbrella Tree, Umbrella China.) A sub-variety of the China Tree. It assumes a dense, spreading head, resembling a gigantic umbrella. A most desirable tree of rapid growth. Blooms middle of April. Ultimate height, 25 feet.

| PRICES: | Each | 10 | 100 |
|------------------------------------------------------|--------|---------|----------|
| 7-8 ft., very heavy, well branched | \$2.50 | \$22.50 | |
| 6-7 ft., heavy, branched, 1¼-1¾ in. caliper | 2.00 | 17.50 | \$150.00 |
| 5-6 ft., well branched, 1-1¼ in. caliper | 1.50 | 12.50 | 100.00 |
| 4-5 ft., branched, 1 in. caliper | 1.00 | 8.00 | 75.00 |

M. Azedarach umbraeuliformis aurea. (Golden Leaf China Tree.) This is a new variety of the China tree. Foliage of beautiful golden hue. In every other respect similar to our well known China tree. A very desirable variety.

| PRICES: | Each | 10 |
|----------------|--------|---------|
| 7-8 feet | \$3.00 | \$27.50 |
| 6-7 feet | 2.00 | 17.50 |

Morus

Morus alba pendula. (Teas Weeping Mulberry.) A beautiful and hardy weeping mulberry. Forms a perfect umbrella-shaped head, with long, slender, willowy branches drooping to the ground. Desirable for lawn, parks or cemeteries.

PRICES: Each
Strong 2 yr. Heads, 4-5 ft. stems.....\$2.00

Platanus

Platanus occidentalis. (American Sycamore.) The well-known variety. It is extensively used for street and park planting, especially where there is smoke. Ultimate height, 100 to 150 feet.

| PRICES: | Each | 10 | 100 |
|------------------------------------------------|--------|---------|----------|
| 18-20 ft., very heavy, well branched | \$3.00 | | |
| 14-16 ft., very heavy, well branched | 2.00 | \$18.00 | |
| 12-14 ft., 2-2½ in. cal., well branched | 1.75 | 15.50 | \$125.00 |
| 10-12 ft., 1¼-1½ in. cal., well branched | 1.50 | 12.50 | 100.00 |
| 8-10 feet | 1.00 | 8.00 | 75.00 |

Populus

(Poplar)

Populus carolinensis. (Carolina Poplar.) A rapid-growing native tree of upright growth. After the tree has attained a height of 15 to 20 feet, it is advisable to cut the leader. The Carolina Poplar resembles the Cottonwood, but is quite distinct.

| PRICES: | Each | 10 | 100 |
|--------------------------------|--------|---------|---------|
| 18-20 ft., very heavy..... | \$2.00 | \$18.50 | |
| 14-16 ft., 2½-3 in. cal. | 1.50 | 13.50 | |
| 12-14 ft., 1½-2 in. cal. | 1.25 | 10.00 | \$85.00 |
| 10-12 ft., 1¼-1½ in. cal. | 1.00 | 8.00 | 75.00 |

P. Nigra Italica. (P. fastigiata.) (Lombardy Poplar.) The well-known Italian variety. A tall, pyramidal, compact and rapid-growing tree; very hardy; extensively planted in the southern part of Europe. Very desirable where formal effect is desired.

| PRICES: | Each | 10 | 100 |
|------------------------------|--------|---------|---------|
| 10-12 ft., 1½-2 in. cal..... | \$1.25 | \$10.00 | \$90.00 |
| 8-10 feet | 1.00 | 8.50 | 75.00 |
| 6-8 feet | .75 | 6.50 | 55.00 |

P. Simonii. (Balsamifera Suaveolens.) (Chinese Poplar.) A remarkable new variety of the small-leaf Chinese Poplar of very pyramidal habit; resembles the Lombardy, but makes a more pleasing impression; a very rapid grower, and is destined to become a popular variety. Introduced by the Horticultural explorer, Mr. Frank N. Meyer.

| PRICES: | Each | 10 | 100 |
|-------------------------------|--------|---------|----------|
| 14-16 ft., very heavy..... | \$2.00 | \$17.50 | \$160.00 |
| 12-14 ft., 2-2½ in. cal. | 1.50 | 12.50 | |
| 10-12 ft., 1½-2 in. cal..... | 1.25 | 10.00 | 80.00 |
| 8-10 ft., 1-1½ in. cal. | 1.00 | 8.00 | |
| 6-8 ft., 1 in. cal. | .75 | 6.00 | |

Prunus

(Flowering Cherry and Plum)

Prunus avium flore plena alba. (Double White Japanese Cherry.) This is a remarkable fine tree. In early spring it produces a wealth of pure, double white flowers which are frequently so numerous that they conceal the branches; each individual flower resembles a miniature rose.

PRICE: Each
4-6 feet\$2.00

Prunus Pissardi. (Persian Purple-Leaf Plum.) The most valuable of all the purple leaved trees. It retains its deep color throughout the warmest weather and its leaves until mid-winter. We cannot endorse it too highly.

PRICE: Each
4-6 feet\$1.50

Prunus Subhirtilla pendula rosea. (C. Japonica.) (Japanese Weeping Cherry.) This is a well known Weeping Cherry of the Japanese. In early April the pendulous branches are covered with single rose pink flowers in clusters, and the tree is literally a mass of blooms. The flowers appear before the leaves begin to unfold. A most desirable variety.

PRICE: Each
1 yr., heads budded on 4-6 ft. stems.....\$3.00

Quercus

(The Oak)

All of our Oaks have been several times transplanted, and therefore have a good root system; but, nevertheless, all Oaks must be severely pruned when transplanted; otherwise there is danger of the tree dying.

Quercus alba. (White Oak.) A beautiful variety with spreading branches and a broad open head; light grey bark. The foliage assumes a deep purple in fall. One of our finest oaks. Very desirable for lawn or street planting.

PRICES: Each 10
8-10 ft., heavy\$2.00
6-8 ft., heavy, well branched..... 1.50 \$12.50

Quercus Castania. (Yellow Chestnut Oak.) Tree to 100, or occasionally, to 160 feet, with rather short branches; leaves slender and oblong. Beautiful tree with light gray bark and handsome foliage.

PRICES: Each
8-10 feet\$2.00
6-8 feet 1.50

Q. nigra. (Quercus aquatica.) (Water Oak.) This well-known variety needs no description.

| PRICES: | Each | 10 | 100 |
|----------------------------------------------------|--------|---------|----------|
| 14-16 ft., very heavy..... | \$5.00 | \$45.00 | |
| 12-14 ft., very heavy, 2-2½ in. cal. | 3.00 | 25.00 | |
| 10-12 ft., very heavy, 1¼-2 in. cal. | 1.50 | 12.50 | \$100.00 |
| 8-10 ft., heavy, well branched, 1-1¼ in. cal. | 1.25 | 10.00 | |

Q. palustris. (Pin Oak.) The tree is shapely and symmetrical; leaves are of a beautiful tone of green, in autumn fading to a brilliant scarlet. This is one of the most desirable trees for street and avenue planting. Ultimate height 50 to 60 feet.

| PRICES: | Each | 10 | 100 |
|----------------------|--------|---------|----------|
| 12-15 ft. specimens, | | | |
| 2½-3½ in. cal. | \$5.00 | | |
| 10-12 ft. specimens, | | | |
| 1¾-2 in. cal. | 3.00 | \$25.00 | \$200.00 |
| 8-10 ft. specimens, | | | |
| 1¼-1½ in. cal. | 2.00 | 15.00 | 125.00 |

Q. Phellos. (Willow Oak.) A very graceful variety, with narrow lanceolate leaves, resembling those of the willow. Well-known native tree, but extremely difficult to secure.

| PRICES: | Each | 10 | 100 |
|----------------------------|--------|---------|----------|
| 12-14 ft., very heavy | \$5.00 | | |
| 10-12 ft., heavy | 3.50 | \$30.00 | |
| 8-10 ft., strong, well | | | |
| branched | 2.50 | 20.00 | \$175.00 |

Q. rubra. (Red Oak.) A variety of symmetrical spreading growth; foliage dark green; in autumn turns red. One of the best varieties for lawn and street planting.

| PRICES: | Each | 10 | 100 |
|-------------------------------------|--------|---------|-----|
| 10-12 ft., heavy, well branched.... | \$3.00 | \$25.00 | |
| 8-10 ft., well branched | 2.00 | 17.50 | |

SALISBURIA. See Ginkgo biloba.

Salix (Willow)

Salix Babyionica. (The Weeping Willow.) The well known variety.

| PRICES: | Each | 10 | 100 |
|----------------|--------|----|-----|
| 6-8 feet | \$1.50 | | |
| 5-6 feet | 1.25 | | |

Salix japonica. (Japanese Weeping Willow.) Being an improvement on Salix Babyionica, as

it puts out its leaves about ten days later in the spring, which thus prevents it from the injuries of late frost.

| PRICES: | Each | 10 | 100 |
|----------------------------|--------|---------|-----|
| 10-12 ft., very heavy, | | | |
| 1¾-2 in. cal. | \$3.00 | \$27.50 | |
| 8-10 ft., very heavy | 2.00 | 17.50 | |
| 6-8 ft., heavy | 1.50 | 12.50 | |

SWEET GUM. See Liquidambar.

Tilia (Linden)

Tilia Americana. (American Linden.) A handsome and desirable, large-sized tree of rapid growth. Indigenous from Canada to Texas. Leaves heart-shaped, dark-green, in autumn turning to a golden hue. Most desirable for street planting. Succeeds best in rich soil.

| PRICES: | Each | 10 | 100 |
|-------------------------------|--------|---------|-----|
| 10-12 ft., heavy | \$3.00 | \$27.50 | |
| 8-10 ft., 1¼-1½ in. cal. | 2.00 | 17.50 | |

TULIP TREE. See Liriodendron.

Ulmus (Elm)

Ulmus Americana. (American White Elm.) A handsome tree of rapid and stately growth. Branches long and graceful. Extensively used for avenues and streets. We have an exceptionally fine stock of symmetrical and stocky trees.

| PRICES: | Each | 10 | 100 |
|-------------------------------|--------|---------|----------|
| 14-16 ft., 2-2½ in. cal. | \$3.00 | \$27.50 | |
| 12-14 ft., 1¾-2 in. cal. | 2.00 | 18.50 | \$160.00 |
| 10-12 ft., 1¼-1½ in. cal.... | 1.50 | 12.50 | 100.00 |
| 8-10 ft., 1-1¼ in. cal. | 1.00 | 8.00 | 75.00 |

UMBRELLA CHINA. See Melia.

WILLOW. See Salix.

Broad-Leaved Evergreens

We can supply large specimen plants of many varieties of Broad-leaved Evergreens described in this catalogue. Descriptions, prices and sizes will be given to prospective purchasers. All of our plants are most carefully grown, frequently transplanted, pruned and given plenty of space; therefore the plants which are offered are stately, vigorous and healthy.

Many of our evergreens are grown in pots, thereby increasing safety in transplanting. In fact, it is impossible to transplant some varieties of Broad-leaved Evergreens which have been grown in open ground; therefore, to make the transplanting of these particular varieties assured, we grow them in pots.

Nearly all plants which are taken from the open ground are lifted with a ball of earth about the roots. This is wrapped in moss, excelsior or burlap. When transplanting evergreens which have a ball of earth about the roots wrapped in burlap, it is not necessary to remove this burlap. Place the plant to the right depth in the properly prepared hole; cut the string so that the burlap can be released from about the ball of earth around the roots of the plant. It is not necessary to remove the burlap from the hole, but when the ball of earth about the roots of the plant is wrapped in moss or excelsior this wrapping must be carefully removed. The earth about the roots should not be disturbed. When the hole has been half-filled with earth, pour in water freely, but not so as to wash the soil from about the roots of the plant. After the water has settled put in more dirt, firm this well about the roots of the plant, and then fill up the hole.



Abelia grandiflora

In transplanting broad-leaved evergreens the soil should be properly prepared and holes of ample size dug and rich top soil put in instead of fertilizer. Do not fertilize the plant until it has been set out one year and has become well rooted. Fertilizing should be done between November and March. Should ball of earth about the roots of broad-leaved evergreens fall away, then the plant must be defoliated and properly pruned.

Even when the ball of earth about the roots of plants remains intact it is advisable to prune severely and defoliate such plants as *Abelia*, *Cerasus Caroliniana*, *Camphor*, *Citrus Fruits*, *Cotton-easter*, *Crataegus*, *Elaeagnus*, *Ilex*, *Laurocerasus*, *Ligustrums*, *Neriums*, *Photinia*, *Quercus*.

It is advisable to place a mulching of well-rotted leaves to a depth of 4 to 6 inches about the plants, as this mulching conserves the moisture in the soil, and protects the roots from the sudden changes of temperature. In the summer the mulching prevents drying out of the soil, and in winter prevents freezing.

We are beginning to appreciate more and more the effect attained by a proper planting and selection of Broad-leaved Evergreens. We are particularly fortunate in being able to grow in this favored locality such a large collection of them. We can successfully grow in this section many kinds which are not hardy in the far North, and we bring to perfection a large portion of the hardy northern Evergreens also. A judicious selection of varieties, with the proper planting arrangement of Evergreen trees and shrubs, gives to the winter aspect of our home grounds a warm and cheerful effect.

Certain varieties must be planted in the proper situation and given specially prepared soil; otherwise they will not give satisfactory results. We will gladly suggest or recommend the best varieties for certain soil and localities.

All Broad-leaved Evergreens are pot-grown unless otherwise stated.

Abelia

***Abelia grandiflora*.** (*A. rupestris*.) One of our most beautiful, popular and satisfactory broad-leaved evergreens. The graceful, drooping stems and branches are covered with dark, glossy leaves which in winter assumes a metallic sheen. From the middle of May until frost this plant produces an immense quantity of tubular-shaped white flowers about an inch long which are borne in clusters. During the growing season it is advisable to pinch off the ends of the long shoots. This will make the plant dense and compact. For single specimens, for groups, or for a hedge

we cannot too strongly recommend this plant. Hardy as far north as Philadelphia. Has also been successfully grown in sheltered positions in Massachusetts, and, even when partially killed back, the young shrubs flower profusely the same season.

| PRICES: | Each | 10 |
|------------------------------|--------|---------|
| 2-3 ft., strong plants, | | |
| from open ground | \$1.25 | \$10.00 |
| 18-24 in., strong, from open | | |
| ground | 1.00 | 8.00 |
| 12-18 in., strong, from open | | |
| ground..... | .75 | 6.00 |

Ardisia

Ardisia crenulata rubra. An exceedingly ornamental dwarf-growing shrub, with dark, shining leaves; produces a profusion of bright red berries which remain upon the plant for a year. Succeeds best in a shady situation, and in a rich soil. Hardy at Savannah and southward. This plant is very largely used as a house plant in winter.

| PRICES: | Each | 10 |
|------------------------------------------------------|--------|---------|
| 10-12 in., from 4 inch pots, with berries | \$1.25 | \$10.00 |
| 8-10 inches, from 4 inch pots, with berries | 1.00 | 8.00 |

Aucuba

(Gold Dust Tree)

This beautiful plant is not sufficiently appreciated. When in the open ground it gives the best results when planted in a shaded situation, in a somewhat moist, though rich, well drained soil. This genus contains both male and female plants. If the latter are planted near the male plants they will produce a profusion of red berries which makes them very attractive. Aucubas are especially desirable for city gardens when same are exposed to smoke. These plants are also largely used for vases, urns and window boxes. Hardy at Washington, D. C.

| PRICES: | Each | 10 |
|--------------------------------|--------|---------|
| 24-30 in., well branched | \$2.00 | \$17.50 |
| 18-24 in., well branched | 1.75 | 15.00 |
| 12-18 in., well branched | 1.50 | 12.50 |
| 10-12 in. | 1.00 | 8.00 |

Aucuba himalaica. A strong growing variety with large, dark, glossy leaves. Produces a profusion of scarlet berries which makes a fine contrast with the rich, green foliage.

A. japonica. A beautiful variety of dwarf growth, leaves narrow, dark, shining green; produces a profusion of bright red berries, which remain upon the plant for a long time. Very desirable for growing in pots as well as for open ground.

A. japonica aurea-maculata. (Gold Dust Tree.) A form of the above, with leaves beautifully spotted with yellow. Largely used for jardinières and window-boxes; also for planting in masses.

Azalea

Azalea amoena. (Early Amoena.) A very dwarf-growing variety, producing small, claret colored blooms. Excellent for a low hedge or for massing. Hardy at New York.

| PRICES: | Each | 10 |
|---------------------------------------------------------------|--------|---------|
| 12-15 in., well branched with buds, from open ground..... | \$2.50 | \$22.50 |
| 10-12 in., well branched with buds, from open ground | 1.50 | 12.50 |
| 8-10 in., branched with buds | 1.00 | 8.00 |
| 6-8 in., branched with buds..... | .75 | 6.00 |



Azalea indica

A. Hinodegiri. (Home-grown.) A magnificent, hardy, early-blooming Japanese Azalea; decided improvement upon *A. amoena*, which it somewhat resembles in habit of growth, but is a more vigorous grower and foliage is heavier. Bright carmine flowers are produced in enormous quantities. In fact, when in full bloom the plant is almost a solid mass of color. Remains in bloom for a long period. In the winter and fall months the foliage assumes a reddish appearance. This variety is hardy in New York.

| PRICES: | Each | 10 |
|----------------------------------------|--------|------|
| 6-8 in., well branched, with buds..... | \$1.00 | 8.00 |
| 4-6 in., well branched | .75 | 6.00 |

Azalea indica

(Indian Azaleas)
(Home Grown)

| PRICES: | Each | 10 |
|-------------------------------------------------------|--------|---------|
| 15-18 in., very bushy, well set with buds | \$2.00 | \$17.50 |
| 12-15 in., well branched, well set with buds | 1.50 | 12.50 |
| 8-12 in., branched, with buds..... | 1.00 | 8.00 |
| 6-8 in., branched, with buds..... | .75 | 6.00 |

These beautiful shrubs are perfectly hardy in the open in this latitude. Some varieties of the Indian Azaleas are hardy in the mountain sections also, but to get the best results Azaleas should be planted in a somewhat shaded situation, especially where they are protected from the hot, afternoon sun of summer.

The best soil is one containing an abundance of leaf mold, peat and sand, but soil should be well drained. Azaleas will not succeed in limestone soil.

The plants must be kept well mulched with rotted leaves, preferably leaves of hardwood trees. When planted in masses of solid, well-contrasting colors, the effect is most pleasing.

If the plants are grown in pots, they should be re-potted after flowering and before the new growth begins. Keep the plants sheltered for a few days, and then plunge the pots in the open ground in a shady situation, or they may be planted in an open border and kept shaded.

If the plants are required for winter blooming in the conservatory, they should be lifted and repotted before very cold weather and kept in a cool greenhouse. By judiciously selecting the varieties, a continuous supply of flowers may be had from January until May.

We offer several thousand Home-grown Indian Azaleas in about 50 varieties of the sizes as described above. In the varieties with single flowers we offer all shades of crimson, scarlet, purple, salmon, white, and many exquisitely variegated, mottled and striped varieties. In the varieties with double flowers we can only supply two double whites. All our plants are grown in open ground during summer and lifted and potted in October when they are thoroughly matured. In this latitude it is best to plant Azaleas in open ground in March and April, but southward they can be safely planted from October until April.

Azaleas are liable to attacks of red spider and thrips, especially if the plants suffer from want of proper watering. Daily syringing of plants kept under glass will aid in eradicating these pests, as also will a spray of sulpho-tobacco soap.

A well-fed, well-tended and well-pruned Azalea need never grow scraggy and misshapen with age, but should become more beautiful every year as its increasing spread of branches gives room for the display of myriads more of flowers. Those who grow Azaleas in the house should remember that the flowers will last much longer if the plants are kept in a cool room after they have expanded.

Azalea Kaempferi. (Japanese Azalea.) A beautiful variety recently introduced by the Horticultural Collector, Mr. E. H. Wilson. This beautiful Japanese shrub is very floriferous. Perfectly hardy at Boston, Mass. This is a most desirable addition to our collection of evergreen azaleas. We can furnish plants in shades of pink and salmon. The varieties are not named, and are sold under colors.

| PRICES: | Each | 10 |
|--------------------|--------|---------|
| 12-15 inches | \$2.00 | |
| 10-12 inches | 1.50 | \$12.50 |
| 6-8 inches | 1.00 | 8.00 |

Berberis (Barberry)

Berberis Japonica. (Mahonia Japonica.) Japanese Barberry. This splendid plant thrives in almost any situation, but does best in a partially shaded location, where the ground is well drained. Leaves very broad, with five pairs of leaflets; flowers yellow in long spikes during the first three months of the year, fol-

lowed by dark purple berries. A magnificent shrub. Hardy at New York in protected situations.

Berberis Sargentiana. A very handsome, new, hardy Berberis introduced by the Horticultural Explorer, Mr. S. A. Wilson. This attractive evergreen grows to a height of about 6 feet, with a corresponding breadth. It is very densely branched. The leaves are narrow and dark-green, 3 to 6 inches long. An excellent hardy Berberis, and is considered one of the best.

| PRICES: | Each |
|--------------------|--------|
| 10-12 inches | \$1.00 |
| 12-15 inches | 1.50 |

Buxus (Boxwood) SEE HEDGE PLANTS

Callistemon

Callistemon lanceolata. (Metrosideros floribunda.) A beautiful shrub with narrow, lanceolate leaves, reddish brown when young. Bright, red flowers produced in long cylindrical spikes the last of April. Plant continues to bloom for several weeks. Hardy at Savannah and southward. Ultimate height, 15 feet.

| PRICES: | Each | 10 |
|-----------------------|--------|--------|
| From 4 in. pots | \$1.00 | \$8.00 |

Camellia japonica (Home Grown Plants)

This is one of our specialties. All of our plants are propagated from our own specimens which are grown in the open ground. Our collection contains nearly 100 choice, named varieties, and the plants we offer comprise a great range of colors, also early and late blooming varieties, and with double and semi-double flowers.

| PRICES: | Each | 10 |
|------------------------------------------|--------|---------|
| 15-18 inches, slightly branched | \$2.00 | \$17.50 |
| 12-15 inches, not branched | 1.50 | 12.50 |
| 10-12 inches | .75 | 6.00 |

CULTIVATION OF CAMELIAS

For Open Ground—To get the best results Camellias should be planted in a partially shaded situation, especially where protected from the cold winds of winter and the hot, afternoon sun of summer. Any good garden soil is suitable, but if mixed with leaf mold and well-rotted cow manure better results will be obtained. The plants should be kept thoroughly mulched with well-rotted leaves. In this section the best time to transplant Camellias is from early October until middle of November, and from middle of February to end of March.

For Conservatories—Use a potting compost of peat or leaf-mold and good loam, and give ample drainage. When in growth, they require an

abundance of water spraying of the foliage. When dormant, water sparingly and keep in cool temperature. Fire heat is not needed except during excessively cold weather which would injure distending buds. Dropping of buds is caused by plants drying out, or by over-watering, or being kept in high temperature under glass.

CERASUS CAROLINIANA. See *Laurocerasus*.
CHAMAEROPS FORTUNEI. See *Trachycarpus Fortunei*.

Cinnamomum (Camphor)

Cinnamomum Camphora. (*Laurus Camphora*.) (*Camphora officinalis*.) (Camphor Tree.) This desirable and beautiful tree is hardy at Augusta. Along the Atlantic and Gulf Coast it is largely used as a shade tree for street and avenue planting. In Florida the Camphor is now being extensively and successfully planted for the extraction of gum. The tree is of a very rapid and stately growth; leaves bright glossy green. The young growth is very attractive, as it is tinged with red, which gives a most striking and pleasing effect. The Camphor will do well on poor soil, but will give a most satisfactory growth when properly fertilized and when grown on well-drained soil. It does not thrive in wet situations. In transplanting, both the pot-grown and open ground plants, should have their side branches cut back and the plants defoliated; otherwise loss is apt to ensue.

| PRICES: | Each | 10 | 100 |
|----------------------------------------------|--------|---------|----------|
| 5-6 ft., well branched, open ground | \$2.00 | \$18.00 | \$150.00 |
| 4-5 ft., well branched, open ground | 1.25 | 10.00 | 80.00 |
| 3-1 ft., well branched, open ground | 1.00 | 8.00 | 70.00 |
| 2-3 ft., well branched, open ground | .75 | 6.00 | 50.00 |
| 18-24 in., from pots | .75 | 6.50 | |
| 12-18 in., from pots | .50 | 4.50 | |

Cleyera (Japanese Cleyera)

Cleyera japonica. A shrub of medium height; foliage very glossy; flowers creamy white, produced in great profusion during June; delightfully fragrant; followed by red berries, which are retained all winter.

| PRICES: | Each | 10 |
|----------------------------------------------|--------|---------|
| 18-24 in., well branched | \$2.00 | \$17.50 |
| 15-18 in., well branched, from pots | 1.50 | 12.50 |
| 12-15 in., from pots | .75 | 6.00 |



Camphor Tree

Elaeagnus (Japan Oleaster)

We cannot too highly recommend these beautiful shrubs, which are perfectly hardy here, do not require very rich soil, and are not affected by either extreme heat or cold.

Elaeagnus aurea Maculata. (Golden-Leaved Oleaster.) Foliage broad, beautifully blotched and striped golden yellow. Produces in March fruit the size of the cranberry, which, combined with the beautiful foliage, makes a most unique plant.

| PRICE: | Each |
|-----------------|--------|
| From Pots | \$1.00 |

Elaeagnus Fruitlandii. A new variety originated by P. J. Berckmans Co. Evidently a cross of *E. Macrophylla* and *E. Simoni*. Leaves large and pointed, beautiful silvery beneath. This is a very fine addition to our broad-leaved shrubs.

| PRICE: | Each |
|--------------------|--------|
| 15-18 inches | \$1.00 |

E. pungens. Leaves two to four inches long, very dark green above, silvery beneath, margin of leaf undulating; creamy white, fragrant flowers produced in January: a beautiful shrub.

| PRICES: | Each | 10 |
|-----------------------------------------------------|--------|---------|
| 15-18 in., well branched, from open ground | \$1.50 | \$12.50 |
| 12-15 inches | 1.00 | 8.00 |

Eriobotrya

(Loquat: Japan Medlar)

Eriobotrya japonica. This plant is practically hardy in the Piedmont Zone, but is at its best in the Coastal Zone. Trees of medium height, with long, glossy evergreen leaves; fruit bright-yellow, round or oblong, about the size of a Wild Goose Plum; borne in clusters from the end of February until May; seldom perfects fruit in this locality, but is very successful southward.

| PRICES: | Each | 10 |
|--------------------------|--------|--------|
| 3 years | \$1.00 | \$8.00 |
| 2 years, seedlings | .50 | 4.00 |

Escallonia

Escallonia montevidensis. A profuse blooming shrub attaining a height of 10 to 15 feet. Leaves bright, shining green, with white flowers, produced during June and July. Very scarce and desirable.

| PRICES: | Each | 10 |
|-------------------|--------|----|
| 4 inch pots | \$1.00 | |
| 3 inch pots | .75 | |

Euonymus

Euonymus Aurea Variegata. (Golden Euonymus.) A beautiful variety of this popular plant with leaves variegated green and gold. A very striking plant.

| PRICES: | Each | 10 |
|--------------------|--------|---------|
| 15-18 inches | \$1.25 | \$10.00 |
| 12-15 inches | 1.00 | 8.00 |
| 10-12 inches | .75 | 6.00 |

Euonymus Japonica. (Evergreen Euonymus.) Leaves dark, shining green. A fine plant for the lawn. Succeeds in almost any situation.

| PRICES: | Each | 10 |
|--------------------|--------|--------|
| 15-18 inches | \$1.00 | \$8.00 |
| 12-15 inches | .75 | 6.00 |
| 10-12 inches | .50 | 4.00 |



Gardenia

Gardenia

(Cape Jasmine)

Very popular evergreen shrubs with bright, glossy foliage. Hardy as far north as Virginia and Tennessee. They do well in almost any well-drained soil. Large fragrant white flowers are freely produced from middle of May until fall.

| PRICES, except where noted: | Each | 10 |
|----------------------------------------------|--------|---------|
| 18-24 in., well branched, from pots | \$1.25 | \$10.00 |
| 15-18 in., well branched, from pots | 1.00 | 8.00 |
| 12-15 in., from pots | .75 | 6.00 |

Gardenia florida. Flowers very large, white, and very fragrant; foliage glossy; blooms middle of May.

G. Fortunei. Flowers larger than these of *G. florida*.

G. radicans. (Dwarf Cape Jasmine.) A very dwarf trailing Cape Jasmine; foliage very small; flowers white, very fragrant. Most desirable where a low effect is desired.

| PRICES: | Each | 10 |
|--------------------------------------------------|--------|--------|
| 8-12 in., bushy, from 4 in. pots | \$.75 | \$6.00 |
| 6-8 in., well branched, from 4 in. pots | .50 | 4.00 |

Ilex

(Holly)

Ilex opaca. (American Holly.) In transplanting, the plants should be defoliated and the large sizes should also be severely pruned.

| PRICES: | Each | 10 |
|-----------------------------|--------|---------|
| 6-8 ft., specimens | \$8.00 | |
| 5-6 ft., specimens | 5.00 | |
| 4-5 ft., specimens | 4.00 | |
| 3-4 ft., transplanted | 2.50 | |
| 2-3 ft., transplanted | 1.50 | \$12.50 |
| 18-24 inches | 1.00 | 8.00 |

Illicium

(Anise)

Illicium anisatum. (East India Anise Tree.) A handsome evergreen with broad, light-green leaves, which, when bruised, emit an anise fragrance. Attains a height of 10 to 20 feet. Very desirable.

| PRICES: | Each | 10 |
|------------------------|--------|---------|
| 4-5 ft., bushy | \$4.00 | \$35.00 |
| 30-36 in., bushy | 2.00 | 17.50 |

Laurocerasus

(Prunus Laurocerasus)

Laurocerasus caroliniana. (*Cerasus caroliniana*, *prunus caroliniana*.) (Wild Olive or Mock Orange of the South.) This well-known hardy evergreen can be safely classed as a tree, as it attains a height from 20 to 40 feet. It is very desirable as a single specimen or for grouping, as it makes a most effective background in landscape work. Can also be pruned in standard pyramidal and other formal

shapes. We offer a fine stock of thrifty, transplanted plants. As the Carolina Cherry is difficult to transplant, it is always advisable to defoliate and cut back severely and will be so treated before shipment. All plants from open ground.

| PRICES: | Each | 10 | 100 |
|----------------------------|--------|---------|----------|
| 4-5 ft., heavy, very bushy | \$2.50 | \$22.50 | \$200.00 |
| 3-4 ft., heavy, very bushy | 1.50 | 12.50 | 100.00 |
| 2-3 ft., heavy, bushy | 1.00 | 8.00 | 69.00 |
| 18-24 in., bushy | .60 | 5.00 | 45.00 |
| 12-18 in., bushy | .40 | 3.50 | 30.00 |

Laurocerasus officinalis. (English and Cherry Laurel.) These are valuable shrubs. Their principal merits are great vigor; beautiful, broad shining foliage; of easy cultivation, and thrive in any ordinary, good, well-drained garden soil. Not hardy north of Washington, D. C. They attain a height from 12 to 15 feet with a corresponding breadth. The plants do not bloom until they are several years old, when they produce spikes of small, white flowers. For massing or for single specimens, few plants possess more advantages than the English Laurel.

| PRICE: | Each |
|--------------|--------|
| 15-18 inches | \$1.50 |
| 12-15 inches | 1.00 |

Laurus

Laurel; Sweet Bay Tree

This beautiful evergreen is very popular and is perfectly hardy in the middle south and southward. The plant frequently attains a



English Laurel

height of 30 feet, and the dark, bright-green leaves make the plant most effective as a single specimen or for planting in groups. This laurel is the tree which is commonly grown in standard or pyramidal form and used so largely as a tub plant. The plants we offer are not trimmed in standard or pyramidal shapes, but are grown in bush form.

Laurus nobilis. (Spice or Apollo's Laurel.) A beautiful evergreen, with long, narrow, glossy green leaves, which are very aromatic, and are used in cooking.

| PRICES: | Each | 10 |
|-------------------------------------------------------------|--------|---------|
| 24-30 in., strong, well branched, from pots and open ground | \$2.00 | \$17.50 |
| 18-24 in., well branched, from pots and open ground | 1.50 | 12.50 |
| 12-18 in., branched, from pots | 1.00 | 8.00 |

LAURUSTINUS. See Viburnum Tinus.

Ligustrum (Privet)

None of our broad-leaved evergreens give a greater form of foliage and growth than Ligustrums. For groups or individual specimens there is nothing more desirable.

Ligustrum amurense. (Amoor River Privet.) True. From the Amoor River in China. A very rapid and compact grower; foliage small. The best evergreen variety for hedges (see under head of Hedge Plants.) It is also desirable for single specimens or wind-breaks. In rich soil will attain a height of 20 to 30 feet, with a corresponding breadth.

| PRICES: | Each | 10 |
|------------------------|--------|--------|
| 3-4 ft., strong, bushy | \$.50 | \$4.00 |
| 2-3 ft., strong, bushy | .40 | 3.00 |

L. japonicum. (Japanese Privet.) A very handsome broad-leaved variety with large, dark-green leaves. Flowers produced in panicles followed by purple berries which are retained during the winter, giving the plant a very pleasing appearance. This plant can be grown into a small tree, can also be trimmed into pyramidal, standard or other forms. Ultimate height 20 to 30 feet.

| PRICES: | Each | 10 |
|-----------------------------|--------|---------|
| 5-6 ft., extra heavy, bushy | \$6.00 | |
| 4-5 ft., extra heavy, bushy | 4.00 | \$37.50 |
| 18-24 inches | 1.00 | 8.50 |
| 12-18 inches | .75 | 6.00 |

L. japonicum excelsum superbum. (Silver Leaved Privet.) A tall-growing form of Japanese Privet. Leaves large, beautifully variegated white and green. Stands sun to perfection; in winter the dark-purple berries are very effective. Ultimate height 12 to 15 feet.

| PRICES: | Each | 10 |
|-----------------------------------|--------|---------|
| 3-4 ft., grafted, very bushy | \$2.50 | \$20.00 |
| 2-3 ft., grafted, very bushy | 2.00 | 17.50 |
| 18-24 in., grafted, well branched | 1.50 | 12.50 |

Ligustrum Lucidum. A beautiful form of Japanese Privet. Leaves large, thick, ovate, lanceolate, of a very dark shining green. Large heads of white flowers produced in May, followed by black berries, which are retained throughout the winter. Hardy at Baltimore. A most desirable variety. Attains a height of 20 feet.

| PRICES: | Each | 10 |
|--------------------|--------|---------|
| 18-24 inches | \$2.00 | \$17.50 |
| 15-18 inches | 1.50 | 12.50 |
| 12-15 inches | 1.00 | 8.00 |

L. lucidum macrophyllum. (*L. macrophyllum*.) An exceedingly rare and beautiful form of the Japanese Privet. Leaves of immense size and of intense dark green color. A most distinct and attractive variety. Ultimate height, 12 to 15 feet.

| PRICE: | Each |
|------------------------------------|--------|
| 12-15 in., from pots, strong | \$1.00 |

L. japonicum marginatum aureum. (Golden Leaved Privet.) A vigorous growing variety with large leaves beautifully margined with yellow. Stands the sun well. In winter the large bunches of purple berries combined with the yellow foliage makes a very striking effect. Ultimate height, 15 to 20 feet.

| PRICES: | Each | 10 |
|----------------------------------------------|--------|---------|
| 5-6 ft., very bushy specimens | \$4.00 | |
| 4-5 ft., grafted, very bushy specimens | 3.00 | |
| 3-4 ft., grafted, very bushy specimens | 2.00 | \$17.50 |
| 2-3 ft., grafted, well branched | 1.50 | 12.50 |
| 18-24 in., grafted, well branched | 1.00 | 8.50 |

L. nepalense. (Nepaul Privet.) Resembles the Japanese Privet, but of smaller and more compact growth, and leaves somewhat smaller. A desirable variety in every respect. Ultimate height, 10 to 15 feet.

| PRICES: | Each | 10 |
|--------------------------------|--------|---------|
| 18-24 in., well branched | \$2.00 | \$17.50 |
| 15-18 in., well branched | 1.50 | 12.50 |
| 12-15 in., well branched | 1.50 | 8.00 |

L. ovalifolium. (California Privet.) Growth erect; leaves larger than *L. Amurense*, but not equal to it as a hedge plant. It is grown North and West in large quantities.

| PRICES: | Each | 10 | 100 |
|---------------|--------|--------|---------|
| 3 years | \$.25 | \$2.00 | \$17.50 |
| 2 years | .15 | 1.25 | 10.00 |

Magnolia

Magnolia grandiflora. (Southern Magnolia.) This is the grandest of all our native broad leaved evergreen trees. It is a native of the middle sections of the southern states, and succeeds best in a rich soil. Nothing more conspicuous can be seen amongst evergreens when its large, white flowers are fully expanded. Their period of blooming begins the middle of April and lasts until August. Hardy at Philadelphia.

PRICES:

| | Each | 10 | 100 |
|------------------------------------------------|--------|---------|----------|
| 5-6 ft., well branched, from open ground | \$3.00 | \$25.00 | \$225.00 |
| 4-5 ft., well branched, from open ground | 2.00 | 17.50 | 160.00 |
| 3-4 ft., well branched, from open ground | 1.50 | 12.50 | 120.00 |
| 2-3 ft., well branched | 1.25 | 10.50 | 90.00 |
| 18-24 in. | 1.00 | 9.00 | 75.00 |

NOTE—To lessen liability of loss from transplanting, leaves will be cut off from open-ground grown plants, unless we are instructed to the contrary. Our Magnolias have been twice transplanted and, therefore, have finely-branched roots.

MAGNOLIA FUSCATA. See *Michelia fuscata*.

MAHONIA JAPONICA. See *Berberis Japonica*.

METROSIDEROS. See *Callistemon*.

Michelia

Michelia fuscata. (*Magnolia fuscata*.) (Banana Shrub.) In the South one of our most popular and desirable evergreen shrubs. From early April until June the plant produces a quantity of yellowish-white flowers edged with maroon. The Banana-like fragrance is so pronounced that it is recognized several yards from the plant. In the North this is a very desirable conservatory shrub.

| PRICES: | Each | 10 |
|--------------------------------------------------|--------|---------|
| 4-5 ft., very bushy, from open ground | \$7.00 | |
| 3-4 ft., very bushy, from open ground | 5.00 | |
| 24-30 in., well branched, from open ground | 2.00 | \$18.50 |
| 18-24 in., well branched, from open ground | 1.50 | 12.50 |
| 12-15 in., from pots | 1.00 | 8.50 |
| 10-12 in., from pots | .75 | 6.50 |

Myrtus

Myrtus communis. (True Myrtle.) A dwarf shrub, with small, bright green leaves; flowers pure white, very fragrant. Hardy at Augusta. Ultimate height 10 feet. From pots and open ground.

| PRICES: | Each | 10 |
|--------------------|--------|---------|
| 15-18 inches | \$1.50 | \$12.50 |
| 12-15 inches | 1.00 | 8.00 |

Nandina

Nandina domestica. (Japanese Nandina.) A beautiful upright-growing shrub, with numerous reed-like stems springing from the same root. Leaves deep, glossy green, when young tinged with red. In winter beautiful coppery tones are assumed; white flowers produced in long panicles, followed by masses

of small, bright red berries, which are retained all winter. Hardy at Washington, D. C. Ultimate height, 10 feet.

| PRICES: | Each |
|-------------------|--------|
| 5 inch pots | \$2.50 |
| 4 inch pots | 1.50 |

Nerium (Oleander)

All Neriums are practically hardy in this latitude. They are also successfully grown along the coast of southern New Jersey, but should be protected during winter. They commence to bloom the last of April and bloom throughout the summer. The Oleander is also a most desirable plant for growing in tubs in conservatory.

| PRICES: | Each | 10 |
|---------------------------------|--------|---------|
| 3-4 ft., from open ground..... | \$2.75 | |
| 30-36 in., well branched, from | | |
| 4 in. pots | 2.50 | \$20.00 |
| 20-30 in., well branched, from | | |
| 4 in. pots | 1.50 | 12.50 |
| 15-20 in., from 4 in. pots..... | 1.00 | 8.00 |

Cardinal. Single crimson. Very good.

Mme. Peyre. Very double, triple corolla; pale flesh.

Prof. Parlartorre. Pink, double corolla; very fine.

Single White. Strong grower, continuous bloomer.

Splendens. One of the best. Flowers large, deep pink, double. Free bloomer.

Olea

Olea Fragrans. (Tea or Sweet Olive.) Small, white flowers produced in clusters, which emit a pleasing fragrance. As a conservatory shrub for northern florists it will be found invaluable. The blooming period begins in the fall and lasts for several months. It is of easy culture. Ultimate height 18 to 20 feet.

| PRICES: | Each | 10 |
|--------------------|--------|---------|
| 12-15 inches | \$1.50 | \$12.50 |
| 10-12 inches | 1.25 | 10.00 |
| 8-10 inches | 1.00 | 8.00 |

Osmanthus

Osmanthus Fortunei. (Holly-Leaved Tea Olive.)

A strikingly beautiful evergreen shrub with dark-green, spiny-toothed leaves resembling the Holly. In the spring and fall the plant is covered with deliciously fragrant white flowers. Without doubt this is one of the most desirable broad-leaved evergreens. Does well in most any situation, but will give the best results when planted in rich soil and in partial shade. The tree attains a height from 25 to 30 feet. Hardy at New York.



Holly-Leaved Tea Olive

| PRICES: | Each | 10 |
|-------------------------------------|--------|--------|
| 12-15 in., branched, pot-grown..... | \$1.00 | \$9.00 |
| 10-12 in., branched, pot-grown..... | .75 | 6.00 |

Phoenix Canariensis (Phoenix Palm)

| PRICE: | Each |
|---------------------|--------|
| 4-5 inch pots | \$1.00 |

Pittosporum

Pittosporum Tobira. (Japanese Pittosporum.)

A fine shrub, with dark green leaves clustered at the ends of the branches. Plant is of compact growth; flowers yellowish white, very fragrant, produced the middle of April and last a long time. A splendid shrub for specimens or massing, and can also be trimmed in fanciful shapes.

| PRICES: | Each | 10 |
|---------------------------|------|---------|
| 15-18 in., well branched, | | |
| from open ground | 1.50 | \$12.50 |
| 12-15 inches | 1.25 | 10.00 |
| 10-12 in., branched, from | | |
| open ground | 1.00 | 8.00 |

P. Tobira variegata. (Variegated Pittosporum.) Similar to P. Tobira, but with leaves beautifully margined white. Of dwarf habit.

| PRICES: | Each | 10 |
|---------------------------|--------|---------|
| 15-18 in., well branched, | | |
| from open ground | \$2.00 | \$17.50 |
| 12-15 in., well branched, | | |
| from open ground | 1.25 | 10.00 |

PRIVET. See Ligustrum.

Pyracantha

Pyracantha coccinea Lalandii. (Crataegus Lalandii.) A beautiful sub-variety of evergreen burning bush. Very effective and desirable. In early spring the plant is covered with a profusion of white flowers, which are followed by bright orange berries, these being retained during the entire winter.

| PRICES: | Each | 10 |
|--------------------|--------|---------|
| 18-24 inches | \$1.50 | \$12.50 |
| 15-18 inches | 1.25 | 10.00 |
| 12-15 inches | 1.00 | 8.00 |

Quercus (Oak)

Quercus acuta. (Japanese Evergreen Oak.) Without doubt this is the most beautiful evergreen Oak ever introduced. The tree is of medium growth; bark very smooth; leaves oblong, of a bright, glossy green; growth very symmetrical and compact. A specimen of this Oak in our grounds is the admiration of all who see it. Seems to do well in almost any soil; needs comparatively little care, but will repay any attention given.

| PRICES: | Each | 10 |
|-----------------------------------------------|--------|---------|
| 6-8 ft., heavy | \$5.00 | |
| 5-6 ft., heavy | 4.00 | \$35.00 |
| 4-5 ft., transplanted, from open ground | 2.50 | |

Q. laurifolia Darlington. This is a very handsome form of Evergreen, or Laurel-Leaved Oak. The tree is of more upright growth than the Live Oak. A magnificent species, and very popular wherever known.

| PRICES: | Each | 10 | 100 |
|----------------------------------------|--------|---------|----------|
| 14-16 ft., 3-3½ in. cal..... | \$8.00 | | |
| 12-14 ft., 2½-2¾ in. cal., bushy | 5.00 | \$45.00 | |
| 10-12 ft., 1½-2 in. cal..... | 3.50 | 30.00 | \$275.00 |
| 8-10 ft., 1-1¼ in. cal..... | 2.00 | 17.50 | 150.00 |
| 6-8 ft., ¾-1 in. cal..... | 1.50 | 12.50 | 100.00 |

Q. virginiana. (Q. sempervirens.) (Live Oak.) The native Live Oak of the South. We have a beautiful lot of stocky, transplanted trees.

| PRICES: | Each | 10 |
|--------------------------------------------|--------|---------|
| 10-12 ft., 2½-3 in. cal., bushy tops | \$7.50 | |
| 8-10 ft., 1-1¼ in. cal., bushy..... | 4.00 | |
| 6-8 feet | 2.50 | \$20.00 |

NOTE—As all evergreen Oaks are difficult to transplant, they must be defoliated and severely cut back before being set out. Keep the trees well mulched until thoroughly established.

Rhododendron

| PRICES: | Each | 10 |
|--------------------|--------|---------|
| 18-24 inches | \$3.00 | \$27.50 |
| 12-18 inches | 2.00 | 17.50 |

Rhododendron Catawbiense. Rose Bay, Catawba Rhododendron. This is our native variety from the Alleghany Mountains, and those

who have visited these mountains can appreciate this grand plant. Flowers lilac-purple.

R. Maximum. Great Laurel. Native of the Alleghany Mountains. Produces large trusses of pure white flowers. Blooms later than R. Catawbiense.

Ruscus

Ruscus aculeatus. (Butcher's Broom.) A unique dwarf evergreen shrub with acute or spiny bract-like leaves ½ to 1½ inches long. Produces numerous red berries, which are retained during winter.

| PRICES: | Each | 10 |
|---------------------|--------|--------|
| Strong Clumps | \$1.00 | \$8.00 |

Thea Bohea

Thea Bohea. (Chinese Tea Plant.) The true Assam Tea Plant, the leaves of which are used for making the tea of commerce. This beautiful shrub produces during the winter large white flowers with wooly anthers, which have a resemblance to single camellias. A very desirable, low growing, broad leaved evergreen.

| PRICES: | Each | 10 |
|------------------------|--------|--------|
| From 4 inch pots | \$.75 | \$6.00 |

Trachycarpus

Trachycarpus Fortunei. (Chamaerops Fortunei.) (Chusan Fan Palmetto.) This is without doubt the hardiest of all exotic palms. Fine specimens are grown in the northern part of South Carolina and Georgia. The plant attains a height of 12 to 15 feet. Seems to adapt itself to a great variety of soils, but will give best results when grown in a rich, heavy, well-drained soil. Very graceful and ornamental.

| PRICES: | Each | 10 |
|------------------------------|--------|---------|
| 30-36 in., extra heavy | \$6.00 | |
| 24-30 in., extra heavy | 4.00 | |
| 18-24 in., extra heavy | 3.00 | \$27.50 |
| 15-18 in., strong | 2.00 | 17.50 |
| 12-15 in., strong | 1.50 | 12.50 |

Viburnum

Viburnum odoratissimum. A Japanese variety with broad, glossy green leaves; of spreading growth. Attains a height of 10 feet. Very fragrant, pure white flowers in large panicles produced about the middle of April. A very handsome shrub.

| PRICES: | Each | 10 |
|--------------------------------------------|--------|---------|
| 18-24 in., from pots and open ground | \$2.00 | \$22.50 |
| 15-18 inches | 1.50 | 12.50 |
| 12-15 inches | 1.00 | 8.50 |

Viburnum suspensum. (V. Sandankwa.) From the Loochoo Islands. A shrub of compact, rapid growth, attaining a height of 6 to 8 feet. Leaves dark green, paler beneath.

Flowers creamy-white, resembling the Trailing Arbutus; blooms in February or March, followed by red fruit. Does best when protected from the afternoon sun of summer.

| PRICES: | Each | 10 |
|--------------------|--------|--------|
| 12-15 inches | \$1.00 | \$8.00 |
| 10-12 inches | .75 | 6.00 |

V. Tius. (Laurnstinus.) One of the handsomest and most satisfactory broad-leaved flowering shrubs; of rapid growth; attains a height of 10 feet. The flowers are creamy white, produced in the greatest profusion in early February, and last for a long time; very fragrant. The buds, before opening, are of a bright red.

| PRICES: | Each | 10 | 100 |
|----------------------------------------------------|--------|---------|---------|
| 18-24 in., strong plants..... | \$2.00 | \$17.50 | |
| 15-18 in., strong plants, from poen ground..... | 1.50 | 12.50 | |
| 12-15 in., branched, from open ground | .75 | 6.00 | \$55.00 |
| 8-12 in., from pots | .60 | 5.00 | 45.00 |

Yucca

| PRICES: | Each | 10 |
|--------------|--------|--------|
| 5 year | \$1.00 | \$8.00 |
| 4 year | .75 | 6.00 |
| 3 year | .50 | 4.00 |

Yucca gloriosa. A variety from the coast region of Carolina. Nearly stemless, some times with a slender trunk 10 to 15 feet in height. Leaves thin but not recurved. Creamy white flowers in large clusters produced in summer. An excellent variety.

Y. filamentosa. Adam's Needle or Bear Grass. A conspicuous plant with stiff evergreen foliage. The large clusters of creamy white flowers produced in summer make a fine effect. Excellent for massing.

Hardy Perennial Plants

Artemesia

A. Gnaphaliodes. A handsome variety, with finely cut silvery foliage.

| PRICES: | Each | 10 |
|--------------------------------------------|--------|--------|
| Strong plants, 4 to 5 inch clumps | \$.25 | \$2.00 |

Caladium

Caladium Esculentum. (Elephant Ear.) This plant is too well known to need describing.

PRICES: 25c each; \$2.00 per ten.

Canna

Canna. In different colors. **PRICE:** 25c each; \$2.00 per ten.

Hemerocallis

Hemerocallis Thunbergii. (Day Lily.) Beautiful buttercup yellow, blooming in southern states during June. **PRICES:** 25c each; \$2.00 per 10.

Iris

Iris germanica. (German Iris or Flag.) The German Iris is one of our most desirable early spring-blooming plants. It is a vigorous grower and is of easy cultivation. Flowers are large and conspicuous. The colors are white, blue, purple, yellow, and variously veined and striped. Every garden should contain a collection of these Flags.

Iris Kaemferi. (Japanese Iris.) These handsome spring-blooming plants are becoming popular. They begin blooming about the middle of April and continue in bloom for five or

six weeks. Many of the blooms have a diameter of from 8 to 12 inches, and are of various colors—white, purple, violet, mauve, magenta—variously marked and pencilled. They are invaluable in herbaceous plantings; are extremely hardy and easily cultivated. Most effective where planted along the borders of ponds or streams. If the flower-stalks are cut just as the buds are expanding, and taken indoors, the flowers will last a long time, and as one flower fades another bud will open until all have shown their beautiful colors. With proper attention, this Iris will give a wealth of bloom and color. Assorted colors.

PRICES: Strong roots, 25c each; \$2.00 for 10; \$17.50 per 100.

Peonies

We offer Peonies in white, red and pink. Peonies do best in rich, rather moist, loamy soil, and if plants are protected from the hot afternoon sun they will give excellent results. They should have a liberal supply of water at all times, especially when in bloom during April and May. Fertilize well with cow manure. Keep the ground well cultivated. If these few simple directions are carried out, the result will be most satisfactory. Plant during fall.

PRICES: 50c each; \$4.00 per ten.

Ferns

Boston Fern. 5 and 6 inch pots, \$1.50 and \$2.00.

Asparagus Fern......35c and 50c.

Lace Fern. (Baby's Breath Fern.) 50c and 75c.

Climbers and Trailers

Climbing plants are indispensable for many ornamental uses, and are decidedly useful in nearly all of our garden operations. Some varieties are especially desirable for the beauty of their flowers; others for attractive foliage. They are easily cultivated, but must have proper care and attention in the matter of training. Possibly no Climbers offer greater possibilities as ornaments than *Clematis Paniculata*, *Rhynchospermum* and *Wisteria*; while *Bignonias*, Climbing *Roses* and *Elaeagnus* are very useful for trellised hedges. Our Climbers are carefully grown and properly pruned, and are unusually vigorous. Nearly all in the lists are hardy in the North.

Actenidia

Actenidia chinensis. The most beautiful of the species. A vigorous climber. The hairs of the young branchlets and leaves are bright red. Leaves very large, heart shaped. Flowers creamy-white. In China the fruit, which has the flavor of the Gooseberry, is edible.

PRICE: Each
Strong plants from 6 in. pots.....\$.50

Akebia

PRICE: Each
3 year, strong\$.75

Akebia lobata. A Japanese climber. Very heavy foliage; purple flowers in long racemes. Produces a fruit that is quite popular in Japan. A very desirable climber.

A. quinata. A very popular ornamental Japanese Climber with beautiful foliage, almost evergreen. Peculiarly shaped, purple flowers produced in March.

Ampelopsis (Ivy)

Ampelopsis tricuspidata Veitchii. (Parthenocissus tricuspidata Veitchii.) Japanese or Boston Ivy. A deciduous vine of rapid growth; suitable for covering walls, stumps, etc.

PRICES: Each 10
Strong, 2 years, from 5
inch pots\$.50 \$4.00

Antigonon Leptopus (Mexican Rose)

Antigonon leptopus. (Rosa de Montana.) A beautiful climbing plant with tuberous roots; blooms freely from June until fall. Beautiful, rosy-pink flowers produced in large racemes. Leaves heart-shaped. A most desirable vine for the South. In this section tops die down in winter; it is, therefore, advisable to protect the roots with a mulching of leaves.

PRICES: Each 10
Strong, 4 inch pots\$.50 \$4.00

Bignonia (Trumpet Vine)

Bignonia capreolata. (*Bignonia crusigera*.) (Cross Vine, Quarter Vine.) A very handsome, vigorous-growing, evergreen, native

climber, producing in early April a great profusion of trumpet-shape flowers about 2 inches long, yellow-red on outside, yellow throat. Hardy North.*

PRICES: Each 10
3 years, strong clumps, from
open ground\$.60 \$5.00

B. hybrida. (*Campsis hybrida*.) A handsome deciduous variety of Trumpet vine with dark, blood-red flowers. Very free bloomer. Hardy as far north as Massachusetts.

PRICES: Each 10
3 years, extra heavy, grafted.....\$1.00 \$8.00

Clematis

C. Henryii. Large creamy white; free grower and bloomer. The finest white Clematis.

Clematis Jackmani. Large and intense violet purple; free and abundant bloomer. This is the best and most popular of the large flowering Clematis.

PRICE: 75c each.

Clematis paniculata. (Japanese Clematis.) Flowers white, star-shaped, produced during mid-summer and fall upon long shoots. In addition to its profusion of fragrant flowers, the foliage is handsome.

PRICES: Each 10
2 year, extra strong, field
grown\$.75 \$6.00

Elaeagnus

Elaeagnus pungens reflexa. (Climbing Elaeagnus.) A wonderfully vigorous Japanese evergreen climber. Leaves green above, silvery beneath, overspread with yellowish, light brown scales, giving the entire surface a bronze tint. The bark of the young growth is brown. This vine will go to the top of the highest tree, and by frequent pruning, can be grown as a shrub. All plants from open ground.

PRICES: Each 10
4-5 ft., heavy, well branched.....\$3.00
3-4 ft., heavy, well branched..... 2.00 \$17.50
2-3 ft., heavy, well branched..... 1.50 12.50
18-24 in., strong 1.00 8.00

Euonymus

| PRICES: | Each | 10 | 100 |
|----------------------------------------------------|--------|--------|---------|
| (Except where noted.) | | | |
| 15-18 in., extra strong, field-grown clumps ... | \$.60 | \$5.00 | \$45.00 |
| 12-15 in., field-grown clumps | .40 | 3.00 | 25.00 |

Euonymus Kewensis. A beautiful new trailing evergreen plant; desirable for rock garden or carpeting. Leaves very small; oval; dark green, with light veins. A very desirable variety.

| PRICES: | Each | 10 |
|--------------------|--------|--------|
| 2½ inch pots | \$.50 | \$4.00 |

E. radicans. (Climbing Euonymus.) A trailing evergreen of rapid growth. Fine for covering walls and stumps; good ground-covering for shady places.

E. radicans variegata. (Variegated Climbing Euonymus.) A beautiful evergreen creeping plant with very pretty foliage, which is beautifully variegated deep green and white. Very showy for covering low walls and stumps; it is also excellent for bordering, as it can be kept closely clipped.

Ficus

Ficus pumila. (F. repens.) (Climbing Fig.) An evergreen climber with small, bright green leaves. This is an excellent plant for covering walls, rock and rustic work. Makes a dense, dark green covering. In protected situations the vine is hardy in Augusta.

| PRICES: | Each | 10 | 100 |
|-----------------------------------------|--------|--------|---------|
| Extra strong, from 3½ in. pots | \$.50 | \$1.00 | \$30.00 |
| Strong, from 2½ in. pots | .25 | 2.00 | 15.00 |

Gelsemium (Yellow Jasmine)

Gelsemium sempervirens. (Carolina Yellow Jasmine.) Our native variety, with bright yellow, fragrant flowers, which are so profusely produced in early spring.

| PRICES: | Each | 10 |
|----------------------------------|--------|--------|
| Strong clups, nursery-grown..... | \$.50 | \$4.00 |

Gelsemium sempervirens, fl. pl. (Double Yellow Jasmine.) A very rare sub-variety of our native Yellow Jasmine, with double flowers, which are produced in great profusion in early spring and more sparingly in the fall. If grown in the conservatory, flowers are produced nearly all winter. Very scarce.

75c each.

Hedera

Hedera canariensis. (H. algeriensis.) (Algerian Ivy.) A very fine variety, with pretty green leaves of immense size. A rapid grower. A most conspicuous plant; not quite so hardy as the English Ivy.

| PRICES: | Each | 10 |
|------------------------------------|--------|--------|
| Extra strong, from 3 in. pots..... | \$.60 | \$5.00 |
| Strong, from 2½ in. pots | .50 | 4.00 |

H. helix. (English Ivy.) Too well known to need description.

| PRICES: | Each | 10 | 100 |
|--------------------------------------|--------|--------|---------|
| Very heavy, from 4 in. pots | \$.75 | \$6.00 | \$50.00 |

HONEYSUCKLE. See *Lonicera*.

JAPANESE OR BOSTON IVY. See *Ampe-
lopsis*.

Jasminum (Jasmine)

Jasminum primulinum. (New Chinese Jasmine.)

This new variety, introduced from China, is a desirable acquisition to our list of hardy evergreen climbers. Light yellow flowers are produced in early March, and the plant continues to bloom for three months or more. In general appearance the flowers resemble those of *Jasminum nudiflorum*, but are considerably larger, sometimes being 2 inches in diameter. The foliage is rich, dark-green. In this locality the vine is an evergreen. It is not hardy north of Washington without protection. This plant should have a place in every garden. It does best when pruned and fertilized.

| PRICES: | Each | 10 | 100 |
|----------------------------|--------|--------|---------|
| Extra strong, 4-5 ft. | \$.90 | \$8.00 | |
| Extra strong, 3-4 ft. | .75 | 6.00 | \$50.00 |
| Strong, 2-3 ft. | .60 | 5.00 | 45.00 |
| Strong, 18-24 in. | .50 | 4.00 | 35.00 |

Kadsura

Kadsura japonica. A very handsome, hardy Japanese climbing evergreen. Leaves 4 to 5 inches in length, dark green. The young growth of both the stems and leaves is red, giving the plant a bright appearance; flowers inconspicuous. In winter the clustres of small fruit, when ripe, make the plant very attractive.

| PRICES: | Each | 10 |
|-----------------------|--------|--------|
| Strong, 2 years | \$.75 | \$6.00 |

Lonicera (Honeysuckle)

| PRICES: | Each | 10 |
|-----------------------------|--------|--------|
| 3 years, extra strong | \$.75 | \$6.00 |
| 2 years, strong | .50 | 4.50 |

Lonicera Brownii. (Scarlet Trumpet Honeysuckle.) A strong and rapid-growing evergreen variety with orange-scarlet flowers, which are produced in April. A decided improvement upon *L. sempervirens* (Woodbine), both as to foliage and bloom.

L. Heckrottii. (Heckrott's Honeysuckle.) Flowers rose-colored on the outside; yellow in the center. A most excellent evergreen variety. Blooms continually from early spring until winter.

L. japonica halliana. (*L. Halliana*.) (Japanese Honeysuckle.) A very vigorous evergreen climber. White flowers changing to yellow, are borne in great profusion in late spring or early summer, and again sparingly in the autumn. Naturalized in many sections of the country. Good for trellises and ground-covers.

RHYNCHOSPERMUM. See *Trachelospermum*.



Star Jasmine

Trachelospermum (Star Jasmine)

Trachelospermum jasminoides. (*Rhynchospermum jasminoides*.) (Malayan or African Jasmine or Star Jasmine.) The best evergreen climber for this section. A very beautiful, hardy and rapid-growing plant; producing in abundance from April until July, fragrant,

star-shaped, white flowers. When in full bloom this plant is most conspicuous. Very effective where a thick screen is desired.

| PRICES: | Each | 10 | 100 |
|-------------------------------------|--------|--------|---------|
| Extra strong, from 4 in. pots | \$.75 | \$6.00 | \$50.00 |

Vinca

Vinca major. (Large Perwinkle.) An old and favorite plant, with large blue flowers, produced in early spring; leaves larger and a more vigorous grower than *V. minor*; excellent for vases, rock work and bordering slopes.

| PRICES: | Each | 10 | 100 | 1000 |
|--------------------------------------|--------|--------|---------|----------|
| Strong clumps, from open ground | \$.25 | \$2.00 | \$15.00 | \$100.00 |

V. major variegata. (Variegated Perwinkle or Trailing Myrtle.) Same as the above, except that the leaves are beautifully variegated with silvery white; excellent for vases and window boxes.

| PRICES: | Each | 10 |
|-------------------------------|--------|--------|
| Strong, from 4 in. pots | \$.50 | \$4.00 |

V. minor. (Common Periwinkle, Running or Trailing Myrtle.) A well-known trailing plant. Flowers blue; leaves dark green, but smaller than *V. major*.

| PRICES: | Each | 10 | 100 | 1000 |
|--------------------------------------|--------|--------|---------|----------|
| Strong clumps, from open ground | \$.35 | \$2.50 | \$20.00 | \$120.00 |

Wisteria

All of our *Wisterias* are grown from free-flowering plants, and these must not be confused with the *Wisterias* which are grown from seed.

| PRICES: | Each | 10 |
|------------------------|--------|--------|
| 2 years, grafted | \$.75 | \$6.00 |

Wisteria chinensis. (Chinese Purple Wisteria.) The well-known, single purple flowered variety; free bloomer.

W. chinensis alba. (Chinese White Wisteria.) White-flowering; a beautiful, graceful climber. Free bloomer.

W. frutescens magnifica. (On own roots.) Flowers in large, drooping racemes, blue, with a yellow center; blooms about a month later than the Chinese varieties; also produces flowers during the summer. Vigorous.

Wisteria multijuga. (Japanese Wisteria.) Flowers about a week later than *Wisteria chinensis*. A distinct and showy variety. Flowers single, light purple, in loose racemes 1 to 3 feet long. Does not bloom freely until the vine is about 3 years old.

Ornamental Hedge Plants

Nothing can be more desirable for street protection or property divisions than a well-grown and carefully trimmed hedge. It may be a little more expensive than a fence in the beginning, but no repairs are required and it grows in beauty from year to year.

For dividing lines, where a low hedge is desired, nothing is more appropriate than *Abelia grandiflora*, *Berberis Thunbergii*, *Spiraea Thunbergii* or *Viburnum Tinus*. All of these plants are graceful in form and beautiful in foliage and flowers. For normal plantings the Amoor and California Privet, Boxwood and Carolina Cherry are unsurpassed. All are evergreens and easily cared for and make a dense and compact growth.

NOTE—Not less than 40 plants will be furnished at the price quoted per hundred; not less than 400 at the price quoted per thousand.

Abelia

***Abelia grandiflora*.** (*A. rupestris*.) This beautiful broad-leaved evergreen is becoming a very popular hedge plant. As this makes a very bushy growth, the plants can be set 18 to 24 inches apart.

| PRICES: | 100 |
|------------------------------------------------|---------|
| 12-18 in. strong plants from open ground | \$50.00 |

Berberis

***Berberis Thunbergii*.** (Thunberg's Barbbery.) A dwarf shrub from Japan; leaves small, bright green, changing in autumn to beautiful tones of orange, scarlet and crimson; yellow flowers produced in early April followed by red berries which are produced in great profusion and which last the entire winter. A popular plant for massing and for hedges.

| PRICES: | 100 |
|--------------------|---------|
| 12-18 inches | \$25.00 |

Buxus

***Buxus sempervirens*.** (Common Tree Box.) (Home Grown.) We offer a fine lot of very compact, thrifty plants of our own growing.

| PRICES: | 100 |
|-------------------|---------|
| 8-10 inches | \$20.00 |
| 6-8 inches | 15.00 |
| 4-6 inches | 12.50 |

***B. sempervirens suffruticosa*.** (Dwarf Boxwood.) This is the variety so extensively used in the old-time gardens for edging walks and beds. It is of very slow growth, and its ultimate height is from 4 to 5 feet. The plants should be set from 3 to 4 inches apart. We offer a superb lot of home-grown plants.

| PRICES: | 100 | 1000 |
|----------------------------------------------|---------|----------|
| 8-10 in., very bushy, 4-5 in. diameter | \$40.00 | |
| 6-8 in., very bushy, 3-4 in. diameter | 25.00 | |
| 4-6 inches | 15.00 | |
| 3-4 inches, two years | 12.50 | \$100.00 |

CITRUS TRIFOLIATA. See Poncirus.

Euonymus

***Euonymus Japonica*.** (Evergreen Euonymus.) Leaves dark shining green. A fine plant for the lawn. Succeeds in almost any situation.

| PRICES: | 100 |
|--------------------|---------|
| 12-15 inches | \$50.00 |
| 10-12 inches | 40.00 |

Laurocerasus

***Laurocerasus caroliniana*.** (*Prunus caroliniana*.) (Wild Olive, Mock Orange of the South.) This makes an admirable hedge plant. Stands shearing well and is perfectly free from the depredations of insect and fungus diseases. Plants should be cut back to within 4 inches of the ground when set out.

| PRICES: | 100 |
|-----------------------------------------------------------------|---------|
| 18-24 in., bushy, from open ground | \$45.00 |
| 12-18 in., bushy, from open ground, 2 years, transplanted | 30.00 |

Ligustrum

(Privet)

***Ligustrum amurense*.** (Amoor River Privet.) The true variety. For the South it is far superior to the California Privet, which loses its leaves during winter, whereas the Amoor River Privet retains its foliage throughout the entire year. Since 1866 we have cultivated and disseminated millions of the Amoor River Privet, and it is without doubt the most popular evergreen hedge plant of the day. It is of rapid-growth, adapts itself to almost any soil not too arid or extremely wet. If properly treated, a hedge may be secured in two years after planting.

| PRICES: | 100 | 1000 |
|----------------------------------------------|---------|----------|
| 2-3 ft., well branched, transplanted | \$12.00 | \$100.00 |
| 18-24 in., well branched, transplanted | 8.00 | 70.00 |
| 12-18 in., branched, transplanted | 6.00 | 50.00 |

***L. ovalifolium*.** (California Privet.) Growth erect; leaves larger than *L. Amurense*, but not equal to it as a hedge plant. It is grown North and West in large quantities.

| PRICES: | 100 | 1000 |
|--------------------|---------|---------|
| 3-4 feet | \$10.00 | \$90.00 |
| 2-3 feet | 8.00 | 75.00 |
| 18-24 inches | 6.00 | 50.00 |
| 12-18 inches | 5.00 | 40.00 |

NOTE—To save freight, we always cut back Amoor River Privet before shipping, unless instructed to the contrary. This also avoids the possibility of the plants heating, should there be delay in transit.

How to Make a Privet Hedge—Prepare the ground by plowing or spading to the proper width and depth. Open the trench 12 inches wide by 15 inches deep. Apply to this a liberal amount of well-rotted stable manure, and if this is not available, bone meal or some high grade fertilizer. Mix the manure or fertilizer thoroughly with the soil. Set the plants in a straight line in the trench one foot apart, about one inch deeper than they originally stood in the nursery row. Firm the earth well about the roots, level off, and then cut the plants back to within four inches of the ground. In the spring, after the plants have made a growth of six or eight inches, cut off one-half of this growth, both sides and top, and proceed in a like manner with each succeeding growth until your hedge has reached the desired height and width. Cultivate well.

Poncirus

Poncirus trifoliata. (Citrus trifoliata.) (Hardy Orange.) As an ornamental flowering plant, few are more desirable. The plant attains a height of 10 to 15 feet, and is very bushy and thorny; foliage trifoliata, retained quite late, but is not an evergreen here; however, the vivid green wood gives it an evergreen appearance during winter. In early March the plant is covered with a mass of large, single,

white flowers, and a second and third crop of blooms, of similar size, are produced during summer. The bright golden fruit is retained during winter, which makes this plant a showy garden feature. It is also an excellent hedge plant.

| | |
|-----------------------------|---------|
| PRICES: | 100 |
| 2 years, 18-24 inches | \$12.50 |
| 2 years, 12-18 inches | 10.00 |

Spiraea

Spiraea Thunbergii. (Common Snow Garland.)

A very beautiful dwarf variety with many slender branches forming a dense bush. The leaves in autumn assume brilliant shades of orange and scarlet. Commences to bloom first of March and lasts for some time. Most desirable for a low hedge and for massing.

| | |
|--------------------|---------|
| PRICES: | 100 |
| 18-24 inches | \$35.00 |
| 12-18 inches | 30.00 |

Viburnum

Viburnum Tinus. (Lauratinus.) One of the handsomest and most satisfactory broad-leaved flowering shrubs; of rapid growth; attains a height of 10 feet. The flowers are creamy white, produced in the greatest profusion in early February, and last for a long time; very fragrant. The buds, before opening, are of a bright red.

| | |
|--------------------|---------|
| PRICES: | 100 |
| 12-15 inches | \$50.00 |
| 8-12 inches | 40.00 |

Ornamental Grasses

ALL HARDY IN THIS LATITUDE

These are very effective as ornamental screens or for planting in masses or groups.

Arundo

(Giant Reed)

Arundo donax variegata. (Variegated Giant Reed.) A hardy, vigorous variety with long leaves, striped green and white, very striking.

| | | |
|--------------------|--------|--------|
| PRICES: | Each | 10 |
| Strong roots | \$.50 | \$4.00 |

BAMBUSA. See Phyllostachys.

Cortaderia (Pampas Grass) GYNERIUM

| | | |
|----------------------------------------------------|--------|---------|
| PRICES: | Each | 10 |
| Extra heavy clumps, 18-24 inches in diameter | \$5.00 | \$45.00 |
| Extra heavy clumps, 12-15 inches in diameter | 3.00 | 27.50 |
| Strong clumps, 8 inches in diameter | 2.00 | 17.50 |
| Strong clumps, 5-6 inches in diameter | 1.00 | 8.00 |
| Strong clumps, 4 inches in diameter | .50 | 4.00 |

Cortaderia argentea. (White Pampas Grass.) With silvery, plume-like spikes of flowers. An old favorite for grouping on the lawn.

C. Roi de Roses. (Pink Pampas Grass.) Plumes very compact, of a delicate rose color. A very beautiful and scarce variety.

EULALIA. See Miscanthus.

Miscanthus

EULALIA

| | | |
|-------------------------------------------------|--------|---------|
| PRICES: | Each | 10 |
| Extra large clumps, 24 inches in diameter | \$5.00 | |
| Large clumps, 18 in. diam. | 3.00 | |
| Strong clumps, 8 in. diam. | 2.00 | \$17.50 |
| Strong clumps, 5-6 in. diam. | 1.50 | 8.00 |
| Strong clumps, 4 in. diam. | .50 | 4.00 |

M. sinensis graillimus. (M. Univitatta.) A variety with narrow foliage and with a narrow stripe running through middle of leaf; very graceful.

M. sinensis variegatus. (Striped Eulalia.) A variegated, hardy grass from Japan. In appearance it somewhat resembles the ribbon grass while in a young state. It forms compact clumps 6 feet in diameter. Its flower stalks are graceful and numerous.

M. sinensis zebrinus. (Zebra-Striped Eulalia.) Similar in habit to the above, but with its leaves blotched with gold. The stripe, instead of running longitudinally, like the former, runs across the leaf.

PAMPAS GRASS. See Cortaderia.

Phyllostachys BAMBOO

| PRICES: | Each | 10 |
|--------------------|-------|--------|
| Extra strong | \$.75 | \$6.00 |
| Strong | .50 | 4.00 |

Phyllostachys. (Green.) New variety recently sent out by Department of Agriculture.

Phyllostachys aurea. (Golden Bamboo.) A graceful Japanese variety, with quantities of yellow stems from 15 to 20 feet. Leaves green and drooping; very numerous delicate branches. One of the hardest Bamboos.

Coniferous Evergreens

Evergreens are always in favor for landscape work, their deep green foliage making a strong background for the brilliant colors of summer; but it is in winter, when the northern landscape is barren of color and foliage, and the beauty of the southern greatly lessened, that they are most appreciated, the absence of other colors tending to bring out their beauty of form in a most striking manner.

It is an undisputed fact that at Fruitland Nurseries we grow the largest and most varied stock of coniferous evergreens in the southern states, and especially do we give attention to such varieties as are best adapted to this warmer climate. In our collection of Thuya, Cupressus, Chamaecyparis, Juniperus, etc., may be found many rare and valuable specimens. We also grow large quantities of the hardier varieties, adapted to the northern part of the country.

Our conifers are grown in the most careful and scientific manner. Nearly all of the open-ground plants have been grown one year in pots and then in the open ground, and are afterward several times transplanted. Therefore we can offer our patrons plants with excellent root-system. Many varieties of conifers are grown in the open during the summer, lifted in the early fall and potted, and, before being shipped, plants have already started new roots. All plants, both from open ground and pots, are shipped with a ball of earth around the roots, which is wrapped in burlap or moss.

DIRECTIONS FOR PLANTING CONIFERS

Place the plant in the properly prepared hole; cut the string, so that the burlap can be released from about the ball of the plant, and plant in the same manner as instructions given under head of Broad-leaved Evergreens. Keep the plants well watered and mulched. The best seasons for transplanting are from November to December, and from February to March, but in the lower sections, where the ground does not remain frozen during the winter, planting can be successfully done any time when the ground is in proper condition. We have a superb lot of shapely plants of many varieties of conifers. These are from ten to twenty years of age, and have been several times sheared and transplanted. Those desiring immediate effect will secure it by using the above mentioned specimens. The prices vary from \$5.00 to \$100.00 each according to size. Prices of SPECIMEN CONIFERS given on request.

ARBOR-VITAE. See Thuya.

BIOTA. See Thuya.

Cedrus (Cedar)

Cedrus atlantica. (Mount Atlas Cedar.) Similar to Cedrus Deodora, but foliage more compact and of a darker green. The tree attains large and stately proportions. Hardy in New York. Rapid grower and attains a height of 60 to 80 feet.

| PRICES: | Each | 10 |
|-------------------------------------|--------|---------|
| 6-7 ft., extra heavy specimens..... | \$6.00 | \$50.00 |
| 5-6 ft., extra heavy specimens..... | 5.00 | 40.00 |
| 4-5 ft., extra heavy specimens..... | 4.00 | 35.00 |

Cedrus Deodara. Himalayan, or Deodara Cedar. The Great Cedar of the Himalayan Mountains. A stately tree, attaining a height of 50 to 75

feet; foliage glaucous green, branches feathery and spreading; perfectly adapted to this climate.

| PRICES: | Each | 10 |
|----------------|--------|---------|
| 3-4 feet | \$5.00 | \$45.00 |

Cephalotaxus (Yew)

Cephalotaxus drupacea. This is a rare and dwarf-growing Japanese Yew, which is almost trailing in its habit. An excellent plant for rockeries and ground covering, or where a low spreading effect is desired. A most effective plant.

| PRICES: | Each | 10 |
|--------------------|--------|--------|
| 12-15 inches | \$1.00 | \$8.00 |
| 10-12 inches | .75 | 6.00 |

Cephalotaxus Fortunei. (Fortune's Yew.) This is a most graceful species, of spreading growth; leaves long, dark green and shining above. Branches long and slender. Attains a height of about 12 to 15 feet.

| PRICES: | Each | 10 |
|-----------------------------|--------|---------|
| 4-5 ft., extra heavy | \$2.25 | |
| 3-4 ft., extra heavy | 2.00 | |
| 30-36 in., very heavy | 1.75 | \$15.00 |
| 24-30 in., heavy | 1.50 | 12.50 |
| 18-24 in. | 1.25 | 10.00 |

C. Harringtonia. (C. pedunculata.) (Stem-Fruited Yew.) A medium-sized tree of compact and rather bushy habit; leaves from 1 to 2 inches long, dark, glossy green. A beautiful variety. Ultimate height, 10 to 15 feet.

| PRICES: | Each | 10 |
|------------------------------|--------|---------|
| 18-24 inches, branched | \$2.00 | \$17.50 |
| 15-18 inches, branched | 1.50 | 12.50 |
| 12-15 inches, branched | 1.00 | 8.50 |

C. Harringtonia fastigiata. (Korean Yew.) An upright-growing variety of bushy habit, with narrow, dark green foliage. Very hardy and desirable. Ultimate height, 6 to 8 feet.

| PRICES: | Each | 10 |
|-----------------------------------|--------|---------|
| 30-36 inches, well branched | \$2.00 | \$17.50 |
| 24-30 inches, well branched | 1.75 | 15.00 |
| 18-24 inches, well branched | 1.50 | 12.50 |
| 15-18 inches, well branched..... | 1.25 | 10.00 |



Cypress Lawsoniana

Chamaecyparis

Chamaecyparis Lawsoniana. (Cupressus Lawsoniana.) (Lawson's Cypress.) This is an exceedingly beautiful and valuable conifer. Habit of growth varies according to the varieties; some are of a very compact and upright growth while others are drooping; foliage ranges from dark green to glaucous and golden tints. They also vary in height, from 20 to 50 feet.

| PRICES: | Each | 10 |
|------------------------|--------|---------|
| 6-8 ft., compact | \$8.00 | \$70.00 |
| 5-6 ft., compact | 5.00 | 40.00 |
| 4-5 ft., compact | 4.00 | 30.00 |

Chamaecyparis (Retinospora)

JAPAN CYPRESS

Chamaecyparis pisifera. (Retinospora pisifera.) (Pea Fruited Cypress.) Foliage bright-green somewhat pendulous. This is a very valuable and hardy form, and is not commonly grown.

| PRICES: | Each |
|--------------------------|--------|
| 24-30 in., compact | \$3.00 |
| 18-24 in., compact | 2.00 |
| 15-18 in., compact | 1.25 |
| 12-15 inches | 1.00 |



Cedrus Deodara



Stem Fruited Yew

C. pisifera argentea. (*Retinospora pisifera argentea*.) (Silver-Tipped Japan Cypress.) A beautiful variety of very dwarf and compact growth. Ends of branches are silver tipped. Very desirable.

| PRICES: | Each | 10 |
|---------------------------------------------|--------|---------|
| 24-30 inches, very compact, specimens | \$1.50 | \$40.00 |
| 12-15 in., very compact | 2.00 | 17.50 |
| 10-12 in., very compact | 1.50 | 12.50 |

C. pisifera aurea. (*Retinospora pisifera aurea*.) (Golden Pea-Fruited Cypress.) In foliage and habit of growth similar to *C. pisifera*, except that the new growth is of a rich, golden hue; a very showy and valuable variety. Ultimate height, 20 to 25 feet.

| PRICES: | Each | 10 |
|-----------------------------|--------|---------|
| 4-5 ft., very compact | \$8.00 | |
| 3-4 ft., very compact | 4.00 | |
| 2-3 ft., very compact | 3.00 | \$25.00 |
| 18-24 in., compact | 2.00 | 17.50 |
| 15-18 inches | 1.50 | 12.50 |
| 12-15 inches | 1.25 | 10.00 |

C. pisifera filifera. (*Retinospora pisifera filifera*.) (Thread-Branched Chamaecyparis.) A beautiful variety, with light green, thread-like foliage, and slender, drooping branches; of medium height. A very hardy and desirable sort.

| PRICES: | Each |
|-----------------------------------|---------|
| 6-7 ft., compact, specimens | \$12.00 |
| 5-6 ft., compact | 10.00 |
| 4-5 ft., compact | 7.00 |

C. pisifera filifera aurea. (*Retinospora pisifera filifera aurea*.) Similar to *C. pisifera filifera*, but the slender, drooping foliage is golden; of dwarf growth; very desirable where a low effect is wanted.

| PRICES: | Each |
|-----------------------------------|--------|
| 4-5 ft., compact, specimens | \$8.00 |
| 3-4 ft., compact, specimens | 6.00 |
| 2-3 ft., compact | 4.00 |

C. pisifera filifera aurea Fullerii. (*Retinospora Fullerii aurea*.) A form of *C. pisifera filifera aurea*, but of more intense golden hue. A very beautiful and rare form.

| PRICES: | Each |
|-----------------------------------|---------|
| 6-7 ft., compact, specimens | \$12.00 |
| 4-5 ft., compact, specimens | 7.50 |
| 3-4 ft., compact | 5.00 |
| 2-3 feet | 3.00 |
| 18-24 inches | 2.50 |
| 15-18 inches | 2.00 |

C. Obtusa Nana. (*Retinospora Obtusa Nana*.) (Dwarf Japan Cypress.) Very compact; foliage rich dark green. Very valuable. This is the variety greatly used by the Japanese for growing in grotesque shapes.

| PRICES: | Each | 10 |
|--------------------|--------|---------|
| 10-12 inches | \$1.50 | \$12.50 |
| 8-10 inches | 1.00 | 8.00 |

C. pisifera plumosa. (*Retinospora pisifera plumosa*.) (Plume-Like Cypress.) A rapid growing variety, with exquisite dark green foliage, the ends of the limbs drooping. Ultimate height, 10 to 15 feet.

| PRICES: | Each | 10 |
|----------------------------------------|--------|---------|
| 4-5 ft., very compact, specimens | \$7.50 | \$60.00 |
| 3-4 ft., very compact | 5.00 | 40.00 |
| 2-3 ft., very compact | 3.00 | 27.50 |
| 18-24 in., compact | 2.00 | 17.50 |
| 15-18 inches | 1.50 | 12.50 |
| 12-15 inches | 1.00 | 8.00 |

C. pisifera plumosa aurea. (*Retinospora plumosa aurea*.) (Golden Plumed Cypress.) This is one of the best, hardiest and most desirable Chamaecyparis. Vigorous grower. Retains its color constantly; attractive. Ultimate height, 15 to 25 feet.

| PRICES: | Each | 10 |
|----------------------------------|--------|---------|
| 3-4 ft., very compact | \$5.00 | \$45.00 |
| 2-3 ft., very compact | 4.00 | 35.00 |
| 18-24 inches, very compact | 3.00 | 25.00 |
| 15-18 inches, very compact | 2.00 | 17.50 |
| 12-15 inches, compact | 1.00 | 8.00 |

C. pisifera squarrosa Veitchii. (Retinospora pisifera squarrosa Veitchii.) (Veitch's Silver Cypress.) Rapid grower; heath-like foliage; bluish green; handsome and distinct. Ultimate height, 15 to 25 feet.

| PRICES: | Each | 10 |
|----------------------------------|--------|---------|
| 3-4 ft., compact, specimens..... | \$4.00 | \$35.00 |
| 2-3 ft., compact specimens..... | 3.00 | 27.50 |
| 18-24 inches, compact..... | 2.00 | 17.50 |
| 15-18 inches, compact..... | 1.25 | 10.00 |
| 12-15 inches, compact..... | 1.00 | 9.00 |

Cryptomeria (Japanese Cedar)

Cryptomeria Japonica. (Japanese Cedar.) A great favorite in Japan, attains a height of 100 or more feet. Of graceful and rapid growth. Regular, pyramidal habit, the foliage somewhat resembles that of the Norfolk Island Pine; hardy in New England in sheltered position.

| PRICES: | Each |
|-------------------|--------|
| 12-15 inches..... | \$1.00 |
| 8-12 inches..... | .75 |

Cunninghamia

Cunninghamia lanceolata. (C. sinensis.) (Chinese Pine.) A beautiful tree, resembling somewhat the araucaria. Leaves lance-like on horizontal branches, rapid and symmetrical grower. Attains a height of 80 feet. Very scarce.

| PRICES: | Each |
|------------------------------|--------|
| 12-15 inches, from pots..... | \$2.00 |
| 10-12 inches, from pots..... | 1.50 |
| 8-10 inches, from pots..... | 1.00 |

CUPRESSUS LAWSONIANA. See Chamaecyparis Lawsoniana.

Juniperus (Juniper)

Juniperus Communis. (European, or Common Juniper.) One of the best and hardiest varieties with spreading, erect branches. There are several forms of this Juniper, some of them forming a tree 30 to 40 feet high.

| PRICES: | Each | 10 |
|---------------------------------------------|--------|---------|
| 5-6 ft., very heavy, compact specimens..... | \$5.00 | \$45.00 |
| 4-5 ft., very heavy, compact specimens..... | 4.00 | 35.00 |
| 3-4 ft., very heavy, compact specimens..... | 3.00 | 27.50 |

Pinus (Pine)

Pinus densiflora. (Japanese Red Pine.) This is the pine which is dwarfed by the Japanese and trained into many curious and fantastic shapes, but if allowed to grow the tree will attain a height of 75 to 100 feet. A rapid and hardy grower; leaves slender, bright, bluish green, 3 to 5 inches long. A very ornamental variety.



Retinospora Pisifera Plumosa

| PRICES: | Each | 10 |
|-----------------------------|--------|---------|
| 5-6 ft., well branched..... | \$4.50 | \$40.00 |
| 4-5 ft., well branched..... | 3.50 | 30.00 |
| 3-4 ft., well branched..... | 2.50 | 22.50 |

P. excelsa. (P. Nepalensis. (Bhotan Pine.) Resembles the native White Pine, but leaves much longer and more glaucous, and of more graceful habit; a tree of more compact growth, hardy as far north as Massachusetts, and does remarkably well in the South. In India it is known as the "Drooping Fir."

| PRICES: | Each |
|--------------------------------------|--------|
| 3-4 ft., well branched..... | \$4.00 |
| 2-3 ft., heavy, well branched..... | 2.50 |
| 18-24 in., heavy, well branched..... | 2.00 |
| 15-18 in., heavy, well branched..... | 1.50 |
| 12-15 in., well branched..... | 1.00 |

P. Pinaster. (P. maritima.) (Cluster Pine.) Of a pyramidal growth, with spreading branches, slightly pendulous; a rapid grower. Branches reddish-brown; leaves twisted, of a bright, glossy green. Does well near the coast. Ultimate height 60 to 80 feet.

| PRICES: | Each | 10 |
|-------------------------------------|---------|----------|
| 8-10 ft., heavy, well branched..... | \$12.00 | \$100.00 |
| 6-8 ft., heavy, well branched..... | 9.00 | 80.00 |
| 5-6 ft., heavy, well branched..... | 8.00 | 70.00 |



Biota Aurea Conspicua

RETINOSPORA. See Chamaecyparis.

Thuya

(Arbor-Vitae)

AMERICAN VARIETIES

Thuya occidentalis. (American Arbor-Vitae.) A variety which grows naturally from Nova Scotia to the mountains of north Georgia. In this locality it will attain a height of 15 to 25 feet. Of erect form; adapts itself to a wide range of territory and soils. Very popular in the East and West for hedge purposes. Desirable as single specimens.

| PRICES: | Each | 10 |
|-------------------------------|--------|---------|
| 30-36 in., very compact..... | \$3.00 | \$27.50 |
| 24-30 in., very compact..... | 2.00 | 17.50 |
| 18-24 in., very compact | 1.50 | |

T. occidentalis Reidii. A somewhat dwarf variety of rather slow growth; of compact, pyramidal habit; a rare and desirable variety; attains a ultimate height of 10 to 15 feet.

| PRICES: | Each | 10 |
|------------------------------------|--------|---------|
| 30-36 in., compact, specimens..... | \$5.00 | \$40.00 |
| 24-30 in., compact, specimens..... | 3.00 | 27.50 |
| 18-24 in., compact | 2.00 | 17.50 |

Thuya occidentalis Vervaeuana. Vervaeuene's Arbor Vitae. Of smaller, denser habit than the type. Slender branches, foliage slightly variegated with yellow, which, in winter, turns to bronze.

| PRICES: | Each |
|--------------------|--------|
| 3-4 feet | \$4.00 |
| 30-36 inches | 3.00 |
| 24-30 inches | 2.00 |

Thuya

ASIATIC VARIETIES (BIOTA)

Thuya orientalis aurea conspicua. (Biota aurea conspicua.) Originated by P. J. Berckmans Co.; of compact, erect and symmetrical habit. Foliage intense gold; some of its branches being of a solid metallic tint, others suffused with green. As its name implies, it is most conspicuous; easily grown; and has stood perfectly in the east and west 20 degrees below zero.

| PRICES: | Each | 10 | 100 |
|---------------------------------------------|---------|----------|------------|
| 6-7 ft., beautiful, compact specimens | \$15.00 | \$125.00 | \$1,000.00 |
| 5-6 ft., beautiful, compact specimens | 8.00 | 75.00 | 700.00 |
| 4-5 ft., beautiful, compact specimens..... | 7.00 | 65.00 | 600.00 |
| 3-4 ft., compact specimens | 4.50 | 40.00 | 350.00 |

T. orientalis aurea nana. (Biota aurea nana.) (Berckmans' Golden Arbor-Vitae.) The most popular Thuya grown. Originated by P. J.



Biota Japonica Teleformis

Berekmans Co. at Augusta. This conifer is of dwarf, compact and symmetrical habit. A perfect gem for small gardens or cemetery lots. For window boxes and vases this plant is most effective. It is desirable where it is too cold for Palms and other decorative plants. For formal planting it is at its best when planted in high, well-drained soils and in a protected situation the plants have stood 15 below zero without injury.

| PRICES: | Each |
|--------------------------------------------|---------|
| 5-6 ft., beautiful, compact specimens..... | \$10.00 |
| 4-5 ft., beautiful, compact specimens..... | 8.00 |
| 15-18 inches | 2.50 |

T. orientalis aurea pyramidalis. (*Biota aurea pyramidalis*.) Originated by P. J. Berekmans Co. Of erect, symmetrical and compact growth. Of beautiful, golden tint. Its columnar habit adapts it to formal planting and suits it to lawn planting and evergreen groups. Will attain a height of 20 to 25 feet.

| PRICES: | Each | 10 |
|---------------------------------------------|--------|---------|
| 6-7 ft., beautiful, compact specimens | \$8.00 | \$60.00 |
| 5-6 ft., beautiful, compact specimens | 6.00 | 55.00 |
| 4-5 ft., beautiful, compact specimens | 4.50 | 40.00 |

T. orientalis pyramidalis. (*Biota pyramidalis*.) In this we have succeeded in getting a form of the pyramidal arbor-vitae which does not become brown during winter, but retains constantly its bright-green color; of compact and pyramidal habit. A plant which fills a long-felt want.

| PRICES: | Each |
|--------------------------------------------|---------|
| 6-7 ft., beautiful, compact specimens..... | \$15.00 |
| 5-6 ft., beautiful, compact specimens..... | 10.00 |

T. orientalis Sieboldi. (*Biota japonica filiformis*.) A Japanese variety with thread-like foliage; compact habit. We consider this one of the most distinct and desirable novelties and it is becoming a great favorite. Well suited for cemeteries; also desirable for tubs. Attains a height of 10 to 15 feet.

| PRICES: | Each |
|-------------------------------------------|--------|
| 5-6 ft., beautiful compact specimens..... | \$8.00 |
| 4-5 ft., beautiful compact specimens..... | 4.00 |
| 3-4 ft., beautiful compact specimens..... | 3.00 |

All the above Arbor-vitae have abundant small roots, and transplant well.

Roses

All of the roses described in this catalogue have been thoroughly tested. We try out annually all of the leading new sorts, many of which will never appear in our catalogue, as they failed to measure up to our standard. Before sending roses to our clients we must be assured that they are good growers and free bloomers. Of course, some roses will give better results in certain localities than others, and some of the forcing roses will not stand in open ground, and vice-versa. Strong, field-grown roses have always been one of our specialties. For many years our roses have been noted for their sturdiness and unusual vigor. Roses grown at Augusta are giving splendid results in Canada and other cold sections.

Our soil is especially adapted to developing the rose properly. Our one-year, field-grown plants equal the average two-year, field grown plants of the North and West.

No garden, it matters not how small, is complete without roses, and every landscape scheme should be provided with a place for the rose.

DIRECTIONS FOR GROWING ROSES

Soil and Preparation of Same—The rose will adapt itself to almost any well-drained soil, but will give best results when planted in a good, rich, deep loam which has been thoroughly drained and well fertilized. If, however, the soil is thin and sandy it is advisable to add a good proportion of heavy soil. It is best to plant roses in an open, sunny place where the plants will be exposed to a full light. Never plant roses under large trees or where the ground is taken up by the roots of adjacent trees. You can never expect to get good results unless the ground is kept free from grass and weeds and thoroughly cultivated. A mulching of straw, leaf mold, leaves, or thoroughly rotted cow manure is beneficial. During the growing season it is advisable to fertilize roses from time to time, using bone meal, well-rotted cow manure or liquid manure, apply at intervals of a month or six weeks. So soon as the fertilizer is applied it should be worked into the soil.

Never use a spade in rose bed, but use a digging fork, this is less likely to cause injury to the roots. After the beds have been cultivated, rake the surface smooth and even. Frequent stirring of the surface is beneficial. A top dressing of hardwood ashes is excellent.

Planting—We cannot emphasize too greatly the necessity of pruning all roses before transplanting. All weak growth should be cut out, leaving only the stoutest and most vigorous shoots, and these must be cut back to within 3 to 6 inches of the ground. Of course, the length to which these branches are to be cut back depends upon the vigor of the plant. The hole in which the



plants are to be set must be of ample size. Place the plant in the hole about 1 inch deeper than it stood in the nursery row, provided it is on its own roots. Budded roses should have the budded portion set 2 to 3 inches below the level. Fill the hole half-full of soil, pour in water, let this settle, put in some more earth, firm this well about the roots, then fill in the hole and firm when the job is completed.

Water the plants whenever needed, and keep the soil well cultivated.

Pruning—This should not be done too early in the winter in this section. We have found from experience that if roses are trimmed before January 1st, they sometimes, during warm winters start an early growth, and consequently the plants are killed by the heavy frosts in February. About two-thirds of the past year's growth should be cut off, and all of the small, weak shoots and all decayed wood cut out. When pruning cut close to an eye or to the main stem of the plant. Do not leave ragged or jagged stems, as these decay and injure the plants. The more vigorous the variety the less it should be pruned. Climbing roses should have only their side branches shortened in. Do not disturb the main stem.

NOTE—The pruning directions in the above paragraph refer to roses which have been planted more than a year.

We frequently receive complaints from our patrons who order late in the spring. They state that the flowers produced are inferior and do not come up to description. It should be understood that perfect flowers cannot be had when the plants are set out late in February or March, and which produce blooms before they are well established. But if these plants are allowed to grow until the following fall and receive the proper treatment as to pruning, fertilization and cultivation, there will be no cause for complaint.

NOTE—The letter following each Rose denotes the class to which it belongs: (T.) Tea, (H. T.) Hybrid Tea, (C.) China, (H. P.) Hybrid Perpetual, (N.) Nolsette, (P.) Polyantha, (R.) Rugosa, (W.) Wichuriana, (B.) Bourbon.

| PRICES: | Each | 10 |
|---------------------------------------------|--------|--------|
| Extra heavy, field-grown, 3 years | \$1.00 | |
| Extra strong, field-grown, 2 years | .75 | \$6.00 |
| Strong, field-grown, 1 year | .50 | 4.00 |
| All Roses one year unless otherwise noted. | | |

Blumenschmidt. (H. T.) Pure citron yellow; outer petals edged tender rose; vigorous grower; fine variety.

Bride. (T.) White tinged blush, and at times silvery rose.

Catherine Zeimet. (P.) (Double White Baby Rambler.) This is a very profuse and perpetual bloomer; the buds are pure white, about one to one and one-fourth inches in diameter; plant grows to a height of about twenty inches; compact habit; excellent for a dwarf hedge.

- Clothide Soupert.** (P.) Flowers 1½ inches in diameter, beautifully formed; white, with rose or light carmine center; a constant bloomer; a desirable variety for cemeteries.
- Devoniensis.** (T.) An old favorite. Creamy white, flesh center; very fragrant. A good bloomer.
- Duchesse de Brabant.** (T.) Soft light rose with heavy shadings. Healthy, vigorous and productive.
- Frank W. Dunlop.** One of the latest roses. Bright rose pink; vigorous grower. Price \$1.00.
- Etoile de Lyon.** (T.) Golden yellow; very double, vigorous; a free bloomer; very fragrant.
- F. R. Patzer.** (H. T.) Beautiful and free-blooming; robust, of erect growth; profuse bloomer; flowers creamy-buff, back of petals pink, as the bud opens it changes to light pink; very fragrant.
- Frau Karl Druschki.** (H. P.) This is deservedly one of the most popular roses grown; flowers pure white; perfect in form; very free bloomer, strong grower, perfectly hardy everywhere. By some is called the White American Beauty; a truly magnificent rose.
- Gen. Jacqueminot.** (H. P.) Bright, shining crimson, very fragrant, free bloomer.
- Gruss an Teplitz.** (H. T.) Bright crimson; very full; free bloomer. Very good.
- Hadley.** (H. T.) Deep, rich, velvety crimson. Well formed buds on long stiff stems. Very fragrant.
- Helen Gould.** (Balduin.) (H. T.) Rosy pink; long, pointed buds. Fine.
- Hoosier Beauty.** (H. T.) Crimson scarlet with darker shadings. Buds of good length with stiff stems. A strong grower.
- Kaiserin Augusta Victoria.** (H. T.) Creamy white; very double; buds large and pointed. Best white Hybrid Tea grown.
- Killarney.** A favorite rose, of brilliant silvery-pink; beautiful in bud; flowers large; free bloomer and strong grower.
- La France.** (H. T.) One of the best known Roses. Silvery peach; excellent; weak grower.
- Lady Hillingdon.** (T.) Apricot yellow; beautiful bud; strong and vigorous grower; free bloomer; excellent.
- Lady Ursula.** (H. T.) Flesh pink edged white. Splendid form; delicately perfumed.
- La Tosca.** (T.) Pink, tinted flesh. Flowers large, very double. Vigorous grower, free bloomer.
- Mme. Butterfly.** A new rose and one that is in great demand. A Sport of Ophelia but with more blooms and more petals to the bloom. Color bright pink. Price, \$1.00.
- Mme. Valerie Baumez.** (H. T.) Flowers exquisitely tinted cream, yellow and orange. Good form; an excellent rose.
- Mme. Helene Gambier.** (H. T.) Rosy-salmon with deeper shading; very double and full; an excellent variety.
- Mme. Francisca Kruger.** (T.) Large, double, coppery-yellow shading to peach; of strong and vigorous growth.
- Mme. Norbet Levavasseur.** (P.) Baby Rambler. The Crimson Rambler in dwarf form, clear, brilliant ruby-red. Hardy and healthy. Attaining a height of twenty inches.
- Mme. Lombard.** (T.) Bright red; large, full and fragrant.
- Mme. Eugene Marlatte.** (T.) Brilliant red; strong grower; perpetual bloomer.
- Mme. Caroline Testout.** (H. T.) A magnificent Hybrid Tea, of the very loveliest shade of pink.
- Mme. Segond Webber.** (T.) Bud is long and of rosy-salmon or flesh-color, and color deepens as the bloom expands; a most desirable variety.
- Melle. Blanche Martignat.** (T.) Beautiful peach pink tinted yellow and crimson; free bloomer; fine foliage; bud long and pointed.
- Magna Charta.** (H. P.) Bright, rosy-carmine. A standard variety.
- Maman Cochet.** (T.) Deep rose-pink; inner side of petals silvery rose; very double. Extra strong grower; fine bloomer. The finest Rose by far that has yet been introduced for a long time. We can confidently recommend it.
- Marie Van Houtte.** (T.) Pale yellow, edged rose. Very fine.
- Marshall P. Wilder.** (H. P.) Cherry carmine; free bloomer, very fine.
- My Maryland.** Bright salmon pink with paler edges; delightfully fragrant. Of robust growth and very free flowering.
- Ophelia.** (H. T.) Brilliant salmon flesh, shaded with rose on outer edge of petals. Very fragrant.
- Orleans.** (P.) Deep cerise, with a distinct white center. Showiest and daintiest of the Dwarf Polyanthas. Flowers excellent for cutting purposes.
- Papa Gontier.** (T.) Brilliant carmine; tinted rose; finely formed buds.

Paul Neyron. (H. P.) The flowers are immense; probably the largest Rose. Bright, shining pink, clear and beautiful; double and full; finely scented; blooms all summer. 1 and 2 years.

Perle des Jardins. (T.) Bright yellow; very full and double. A vigorous popular rose.

Pharisaer. Rosy white with salmon shading; large, well shaped.

President Taft. (T.) A beautiful shade of deep, shining pink; blooms very large and of fine form; very fragrant. This is in a class by itself.

Prima Donna. (H. T.) A lovely shade of vermilion pink changing to silvery pink. Very large and full, of perfect form and fragrant.

Radiance. (H. T.) Brilliant rosy carmine, shaded with rich pink tints. Large and full with strong upright stems.

Red Radiance. (H. T.) A splendid even shade of clear red. A strong, vigorous grower and a remarkable bloomer.

Rhea Reid. (H. T.) One of the best roses of recent introduction. A cross of American Beauty with a red seedling. A vigorous and rapid grower. As large as American Beauty; very double and fragrant; continuous bloomer. Beautiful shade of red.

Wm. Allen Richardson. (T.) Orange-yellow; center coppery yellow.

Robin Hood. (H. T.) Flowers large; full, very double; rosy scarlet; fine foliage; free bloomer and a vigorous grower.

Rugosa rubra. (R.) A popular variety for planting in masses or for hedges. Large single crimson flowers, followed by glossy red berries.

Mrs. Geo. Sawyer. (T.) This variety is already a great favorite. It is a free bloomer and a vigorous grower. The color is a bright pink; long pointed buds; stems very long.

Wm. R. Smith. (T.) Creamy white with shadings of pink. A very free bloomer and vigorous grower.

Souv. de la Malmaison. (B.) Large, very full; flesh colored. A very free bloomer; an old favorite.

Souv. de Pierre Notting. A cross between Mamam Cochet and Marechal Niel. Color a blending of pink creamy white and orange yellow edged with red.

Sunburst. (T.) This beautiful Rose has been thoroughly tested, and it easily stands at the head of all sorts of its color. The color is a most pleasing shade of yellow and orange; buds long and pointed; plant vigorous and healthy; blooms keep for a long time after being cut. A grand Rose.

Ulrich Bruner. (H. P.) Cherry red; very large; fine bloomer, extra good form.

Wellesley. (T.) Beautiful pink; the reverse side of the petals silvery.

White Mamam Cochet. (T.) Pure white, sometimes tinged blushed. A superb Rose.

White Killarney. (H. T.) A pure white sport of the popular Pink Killarney. Identical in every way with the parent, except in color, which is a pure white.

Roses Budded on Manetti—For description see above varieties. 1 year only, 75c; \$6.00 per 10

Frau Karl Druschki.

Killarney.

Lady Pirrie.

Lady Ursula.

Mme. Eugene Marlette.

Mme. C. Testout.

Climbing Roses

American Beauty. (Climbing.) (H. P.) Crimson flower 3 to 4 inches in diameter; well formed, fragrant, strong grower, holds foliage late; blooms in May and June and occasionally during the summer. 1 and 2 years.

American Pillar. (C. P.) Large single flowers of rich rosy-pink, approaching brilliant carmine with golden yellow stamen. A profusion of blooms almost covering the foliage. A vigorous grower and valuable climber. 1, 2 and 3 years.

Banksia, Yellow. Small, double sulphur-yellow flowers in clusters. A vigorous grower. 1 and 2 years.

Banksia, White. The flowers of this very desirable Rose are pure white, violet scented, very small, double and borne in umbels of twelve to fifteen blossoms. Spring bloomer.

Cherokee, White. (Rosa laevigata.) The well-known Cherokee of the South, where it has become naturalized; it is, however, a native of China. A vigorous and rampant climber. Large single white, fragrant flowers produced in early spring in great profusion; evergreen; foliage bright, glossy green; most desirable for pergolas and trellises. Will climb to the top of the loftiest tree. 1 and 2 years.

Cherokee, Pink. This superb Rose is a pink form of the well-known Cherokee Rose. It is one of the earliest to bloom. Immense, beautiful, single pink flowers are produced in profusion. The plant blooms for a period of about two months. It is a vigorous and rampant grower; foliage is evergreen and of a bright, glossy green. This is a great acquisition to our list of Roses. Immensely popular. 1 and 2 years.



Pink Cherokee

Clothilde Soupert, Climbing. (P.) This variety originated in the nurseries of P. J. Berckmans Co. In color and form it is similar to its parent, the well-known Clothilde Soupert, but flowers are larger. A constant bloomer after the first year, as it flowers best on old wood. Vigorous grower, and has resisted a cold of 20 degrees below zero. This is a great addition to our list of Climbing Roses, and is becoming one of the favorites. 1, 2 and 3 years.

Devoniensis. (T.) An old favorite. Creamy white, flesh center; very fragrant. A good bloomer. 1 and 2 years.

Dorothy Perkins. (H. W.) This grand rose is a Hybrid Wichuriana. It is a vigorous and rampant climber. The foliage is of a deep green, leathery texture, and remains on the plant nearly all winter. The flowers are from 1 to 1½ inches in diameter, borne in clusters of from 10 to 30, and very double, of a beautiful shell-pink. Remains in bloom for several weeks. A most desirable Climbing Rose. Most effective for planting in terraces and slopes. 1, 2 and 3 years.

Hiawatha. Brilliant ruby-carmine; clear white eye; very distinct; vigorous grower; almost evergreen. 1 and 2 years.

Lady Gay. A bright rose-pink; similar to Dorothy Perkins, but later, the flowers being larger and fewer to the cluster. 1, 2 and 3 years.

Lamarque. (N.) Pure white. A favorite Climbing Rose. Large clusters of double sweet white blossoms. It is a beautiful rose and there is a great demand for it.

Marechal Niel. (T.) Deep chrome yellow. Climbs to a great height and blooms in rich profusion. A great favorite. 1 and 2 years.

Pillar of Gold. (T.) Rosy-pink, base of petals yellow. Sometimes almost solid pink. Very large and double in the center. 1, 2 and 3 years.

Reine Marie Henriette. (T.) Bright cherry-red. Of good form and vigorous habit. The best red climber. 1 and 2 years.

Reve d'Or. (Climbing Safrano). (T.) Chamois-yellow large; full; fragrant; free bloomer. Extra fine. 1, 2 and 3 years.

Silver Moon. Pure silvery white; large blooms; vigorous growth. 1 and 2 years.

Solfatarre. (N.) Large flowers; light yellow; free bloomer; rapid grower. 1, 2 and 3 years.

Souv. de la Malmaison. (B) A beautiful climbing form of this well-known rose; flowers fresh colored, large and very full; rampant grower; evergreen. This variety is becoming a great favorite. 1 and 2 years.

Tausendsehoen or Thousand Beauties. (C.P.) Bright clusters of blossoms varying in color from flushed white to rosy-carmine. A vigorous hardy climber with few thorns. 1, 2 and 3 years.

Wichuriana. (The Memorial Rose.) Almost evergreen; flowers small, single, white; of trailing habit. Beautiful for planting on slopes and terraces, which it soon covers with a mass of bright green foliage. On account of its hardiness and glossy foliage, it is used extensively in the North for cemetery planting. The plant is a strong grower. 1, 2 and 3 years.

Climbing Roses Budded on Manetti—For description see above varieties. 1 year only. 75c each; \$6.00 per 10.

Cherokee, Pink.

Devoniensis.

Pillar of Gold.

Reve d'Or.

Reine Marie Henriette.

Solfatarre.

Wooten.

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